

# MANUFACTURERS' RECORD

A WEEKLY REVIEW OF THE IRON, STEEL, METAL & HARDWARE TRADES.

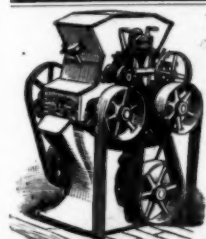
AND A MANUFACTURING AND TEXTILE PAPER, DEVOTED TO THE UPRUILDING OF SOUTHERN MANUFACTURES AND THE DEVELOPMENT OF THE MATERIAL RESOURCES OF THE SOUTH.

VOL. 8. No. 2.  
WEEKLY.

BALTIMORE, AUGUST 22, 1885.

\$3.00 PER ANNUM.  
SINGLE COPIES, 10 CENTS.

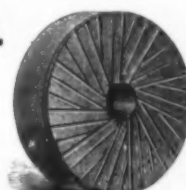
—MANUFACTURERS OF— **JAS. SMITH & CO.** —DEALERS IN—  
**CARD CLOTHING** Works, 413 to 421 Race St., Cor. of Crown. **Manufacturers' & Mill Supplies**  
Of Every Description. **COTTON and WOOLEN MACHINERY.** Office & Store, 137 Market St., Philadelphia. Of Every Description.



**NORDYKE & MARMON CO., INDIANAPOLIS, IND.**  
**Flour Mill Machinery.**

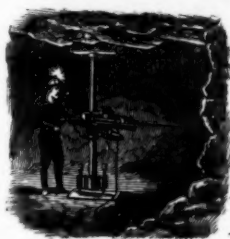
We make Rolls or Portable Mills for making New Process Corn Meal.  
Complete outfits on any system Rolls or Stones for Wheat Grinding.

Send for Circular of our \$500 Flour Mill Outfit.



## ELEVATORS

**MORSE ELEVATOR WORKS.**  
**MORSE, WILLIAMS & CO.** Successors to CLEM & MORSE  
Manufacturers and Builders of HYDRAULIC STEAM, BELT and Hand-Power, PASSENGER and FREIGHT **ELEVATORS** With most approved Safety Devices.  
Office: 411 CHERRY STREET. Dumb-Waiters, Automatic Hatch-Doors, &c.  
Works: FRANKFORD AVE., WILDEY & SHACKANAXON STS. PHILADELPHIA, PA.  
Branch Office, 108 Liberty Street, NEW YORK.

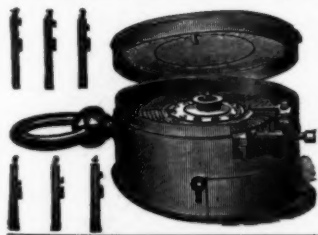


"ECLIPSE" "STRAIGHT LINE"  
**ROCK DRILLS, AIR COMPRESSORS,**  
Machinery for Tunneling, Grading, Mining, Quarrying, etc.  
**TEN COMPLETE TUNNELING PLANTS FURNISHED FOR SOUTH PENNA. RAILROAD, PA.**

FOR CATALOGUES, ESTIMATES, &c., ADDRESS,  
**INGERSOLL ROCK DRILL CO., 10 Park Place, N. Y.**  
**MORTON, REED & CO., Agents, Baltimore.**



## Buerk's Watchman's Time Detector.



—IMPORTANT FOR ALL LARGE CORPORATIONS AND MANUFACTURING CONCERNS.—

Capable of controlling with the utmost accuracy the motion of a watchman or patrolman as the same reaches different stations of his beat. The instrument is complete in itself, portable, and as reliable as the best lever watch. It requires no fixture or wires communicating from room to room, as is the case with ordinary watch clocks.

The Instrument will in all Cases be Warranted Perfect and Satisfactory.

P. O. Box 2470.

**J. E. BUERK, Proprietor, No. 230 Washington St., BOSTON, MASS.**

J. A. J. SHULTZ, President.

B. C. ALVORD, Secretary.

## SMULTZ BELTING COMPANY, ST. LOUIS, MO.

—Manufacturers of Shultz Patent Fulled Leather Belting, Lace and Picker Leather.—

OUR BELTING is made of Leather, tanned on the surfaces only; the interior (which is the fibre and strength of the hide) is not tanned, but Rawhide fulled and softened by our patent process. Our belting is more pliable, and hugs the pulley better and transmits more power than any other Belt. It does not pull out at the laceholes or rivets. It stretches less than any other belt. It works equally well for the largest Driving Belts or for the fastest running machinery and smallest pulleys. OUR LACE LEATHER is made of Rawhide, by our patent process, without any tanning and is stronger and will wear better than any other. WE ALSO MAKE THE BEST PICKER LEATHER AND BELT GREASE IN THE COUNTRY. Satisfaction guaranteed.

Southern Agents—FRED. N. OGDEN, New Orleans, La.

J. H. COFFIN & CO., Memphis, Tenn.

J. L. LINDSAY, Richmond, Va.

WE ADVERTISE IN THIS ISSUE

# The American Paper Pulley



DOUBLE ARM PULLEY.



## Points.

Transmitting power enormously greater than any other material. Belts cannot slip within the safe strength of the belt itself. Tighteners never required. Weight less than half of iron. Exactly balanced. Slacker and narrower belts and smaller pulleys are practicable. Cannot shrink, check, warp swell or break. Impervious to oil or moisture, and never polish. Insensible to wear. Freights less. Prices competitive.



SINGLE ARM PULLEY.

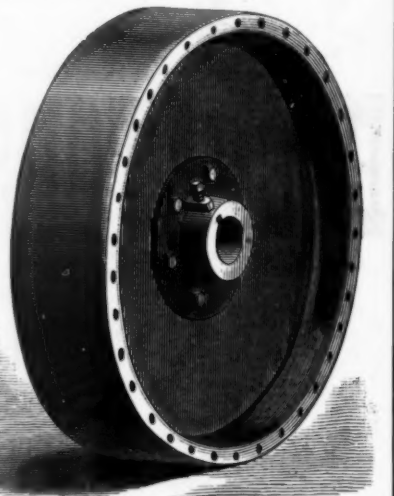
## Construction.

These Pulleys are made of Straw Board, cemented and compressed by hydraulic pressure, dowelled with second growth hickory, turned inside and out on their own hub, sized with water-proofing and varnished inside. Draft of belt is on the edge of grain.

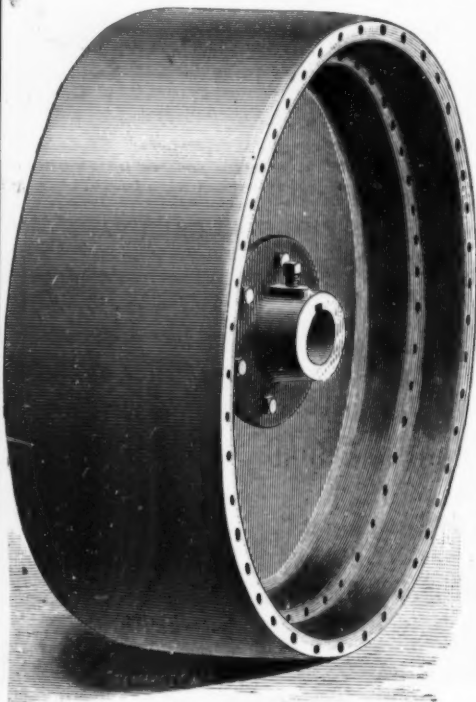
## Tests.

FOLLOWING IS A SUMMARY IN ROUND NUMBERS:

Comparison of Weights,	24"x 6" Iron, 90 lbs.	Paper, 50 lbs.
	36"x 12" " 270 "	" 138 "
	40"x 10" " 240 "	" 111 "
Transmission, Iron 34 lbs., Paper 144 lbs., for equal tension.		
Tension, -	150 " "	39 " " transmission.
Width, -	12 inch, "	3 inch (unsafe for belt.)
Diameter, -	48 " "	24 " for equal tension.
Contact, -	90° on 24" paper equals	180° on 36" iron.



SINGLE BELT PULLEY.



DOUBLE PINNED PULLEY.

**Give us a Trial Order for the worst place in your mill, and you will never use any other Pulley.**

We are also Contractors for Full Mill Outfits of Shafting, Hangers, Couplings, &c., at Low Figures.  
Also Paper Friction Wheels and Friction Fillers of all sizes; and Paper Polishing Wheels.

# WESTINGHOUSE, CHURCH, KERR & CO.

Contracting and Consulting Engineers,

Send for Illustrated Price List with discounts.

17 CORTLANDT STREET, NEW YORK.

— ALSO CONTROLLING —

The Westinghouse Engine, the Reynolds-Corliss Engine, the Huyett & Smith Fans, Ventilators, &c.

ILLUSTRATED CIRCULARS OF WHICH WILL BE SENT ON APPLICATION.



# AMERICAN SUPPLY COMPANY,

Formerly Myron Fish & Co., of Valley Falls, R. I., and Kendrick Loom Harness Co., of Providence, R. I.

—MANUFACTURERS OF—

## LOOM HARNESS AND REEDS,

Oak Belting, Lace and Picker Leather, and Dealers in Supplies for Cotton, Woolen and Silk Mills.

Agents for Joseph Noone's Sons'

Roller, Slasher & Clearing Cloths.

—Agents for—

RODDICK'S PATENT IMPROVED OIL CANS.

Call, Sheep and Lamb Roller Skins, and Roll Covers' Tools.



Of all Descriptions.

WIRE HEDDLES and WIRE GOODS

Shuttles & Heddle Frames,

Unequaled Facilities for Furnishing

WE HAVE

—Special Notice to Worsted and Silk Mills.—

We Manufacture both Worsted and Cotton Machine-Knit Mail Harness for Weaving Fine Worsted and Silk Goods. Also a Full Line of Supplies for Jacquard Looms.

Office and Salesrooms, 10 Exchange Place, Providence, R. I.

—FACTORIES:—

PROVIDENCE and VALLEY FALLS, R. I.

A. D. LOCKWOOD, Pres. JOHN KENDRICK, Vice-Pres. MYRON FISH, Treas. JOHN A. CARTER, Sec. JOSEPH H. KENDRICK, Gen'l Agent.

## THE WHITIN MACHINE WORKS,

J. LASSELL, President and Treasurer.

G. E. TAFT, Agent.

H. ELLIS, Superintendent.

—MANUFACTURERS OF—

## COTTON MACHINERY

—Openers, \* Lappers, \* Cards, —

Railway Heads, Drawing,

RING SPINNING, SPOOLERS, WET and DRY TWISTERS,

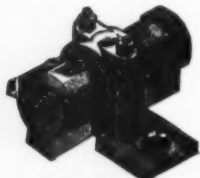
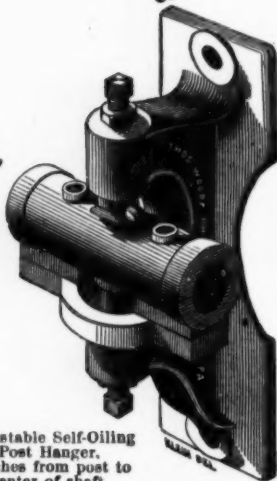
—REELS, —

—WARPERS, \* DRESSERS, \* LOOMS, \* &C. —

—Whitinsville, Worcester County, Mass.—



ADJUSTABLE SELF-OILING HANGER.

Ball and Socket  
Self-Oiling Pillow Block.DOUBLE-BRACED ADJUSTABLE  
SELF OILING HANGER.Adjustable Self-Oiling  
Post Hanger.  
6 inches from post to  
center of shaft.Adjustable Self-Oiling  
Post Hanger.  
6 inches from post to  
center of shaft.

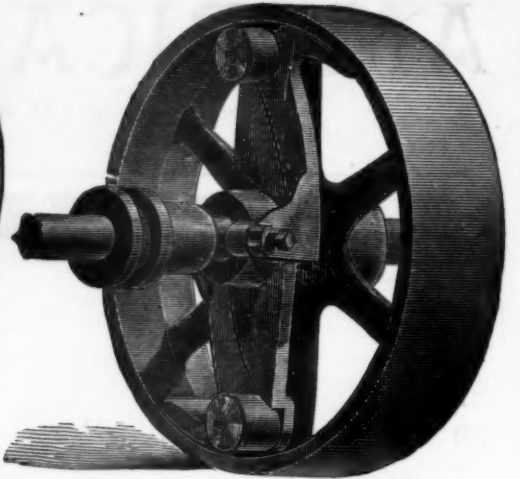
**FAIRMOUNT MACHINE WORKS.**  
Office, 2106 Wood St., Philadelphia.  
**THOMAS WOOD,**  
Manufacture as Specialties  
Power Looms, Patent Bobbin or Quill  
Winding Machines, Plain and Press-  
er, Reeling Machines, Dyeing, Sizing,  
Warp Spinning, Fulling and Cal-  
endering Machines.

**WARPING MILLS,**  
16, 18 and 20 yards circumference,  
WITH IMPROVED HECKS.  
**SHAFTING,**  
With Patent  
ADJUSTABLE SELF-OILING HANGERS, PULLEY IN TWO PARTS  
8, 10, 12, 15, 18, 20, 24 and 30 in. drop.  
Also WALL, POST AND GIRDER HANGERS.  
Pulleys, from 4 inches to 10 feet in diameter.  
**PATENT FRICTION PULLEY.**  
Pulleys in two parts, any size required.  
**PATENT HOISTING MACHINES.**  
Oil Presses for Lard, Fish and Paraffine.

**Special Driving,**  
such as Angular, Muley, and Gallows Driving,  
furnished for any position  
where possible to transmit power by belts.  
**PULLEYS from 4 inches to 10 feet in diameter.**

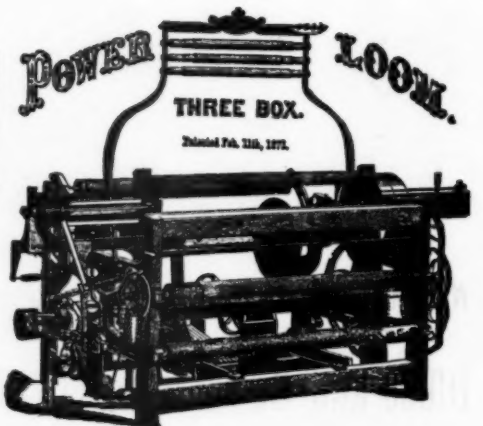
Why use old style Bearings, that require oiling  
every day, when you can get Bearings at less cost  
that only require oiling once in Six Months, and  
thus save oil and labor enough to pay for the bear-  
ings in use. Test the matter for yourselves; a  
trial always secures the trade.

ADDRESS,  
**THOS. WOOD,**  
Office, 2106 Wood St.  
PHILADELPHIA, PENNA., U. S. A.



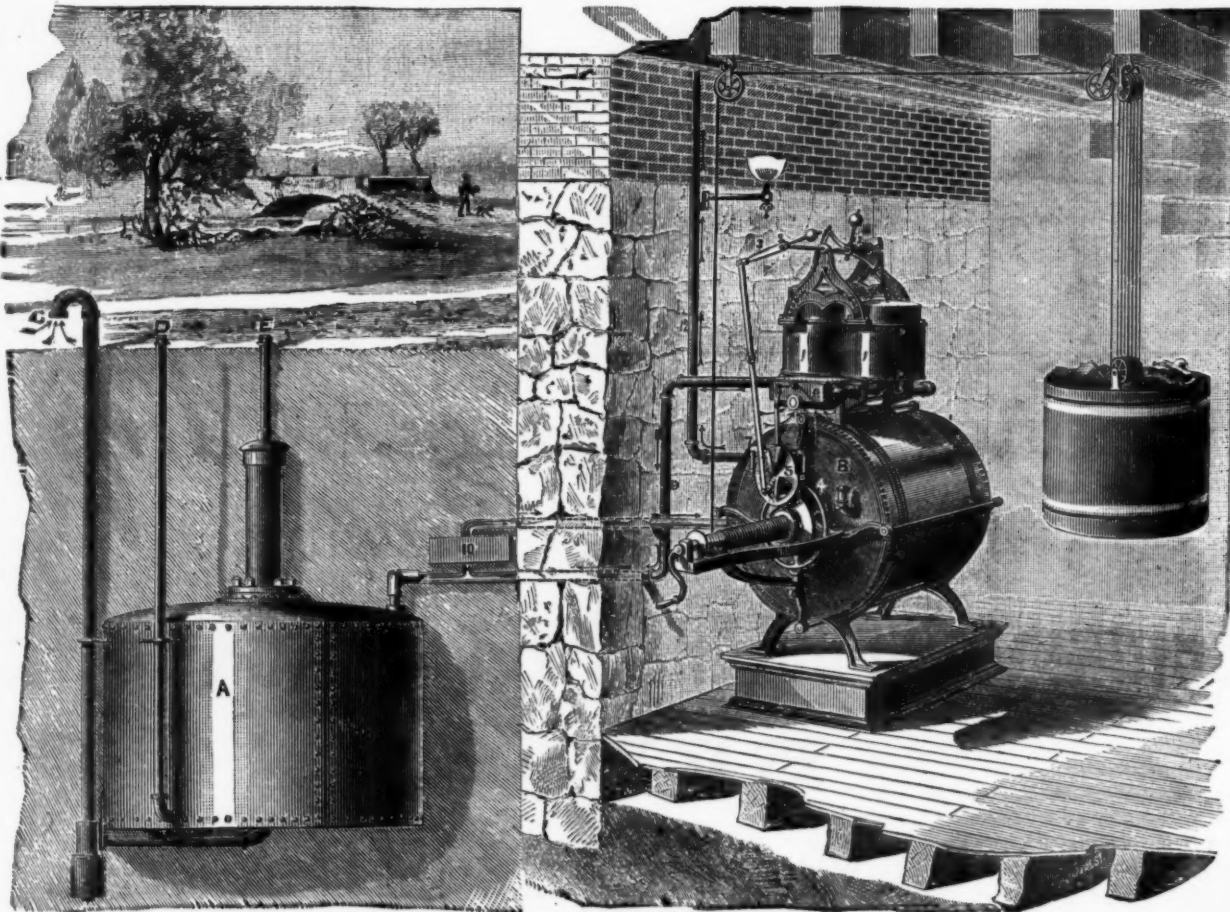
PATENT FRICTION PULLEY.

Simple, reliable and very durable.  
Suitable for any kind of driving, they  
serve equally well as driver or driven.

POWER LOOM.  
THREE BOX.  
Patented Feb. 11th, 1871.

# TIRRILL'S EQUALIZING GAS MACHINE!

Only Gas Machine  
that makes  
**UNIFORM  
GAS.**  
No Fire,  
No Smoke,  
No Smell.  
Plain Bat Wing  
Burners only  
Required.  
GAS ALWAYS  
Perfect.



Less than \$1.  
Per Thousand  
Feet.  
Machines of any  
**CAPACITY.**  
Read Circulars  
Before Buying.  
Simple,  
Perfect,  
and Reliable.  
**Absolutely  
Safe.**  
Approved by  
Underwriters.  
Read who en-  
dorses Them.

FOR CIRCULAR AND FULL INFORMATION, ADDRESS:  
**TIRRILL'S GAS MACHINE CO., 39 Dey St., New York, N. Y.**



# HOWARD & BULLOUGH, & RILEY,

BUILDERS AND IMPORTERS OF

## COTTON MACHINERY.

Wool, Worsted and Flax Machinery and English Card Clothing. Hardened and Tempered Steel Wire a Specialty.  
MILL ENGINEERS. No. 19 PEARL STREET, BOSTON, MASS.

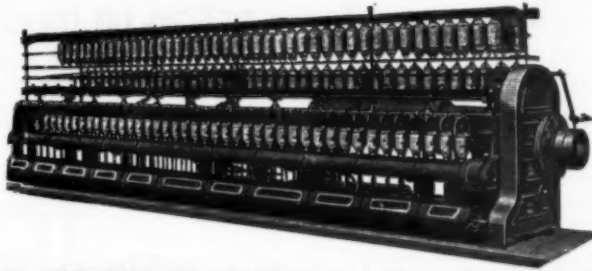
GREAT SUCCESS OF OUR  
PATENT ELECTRIC STOP-MOTION,

ALREADY APPLIED TO OVER  
10,000 DELIVERY HEADS OF DRAWING, AND  
71,000 INTERMEDIATE ROVING SPINDLES.

The quality of Sliver produced by our Frames surpasses all others, and Waste, Single and Roller Laps are prevented, and production increased.

Correspondence Solicited.

Send for Circulars.



SPECIALTIES:  
EXHAUST OPENERS, LAPPERS, (LORD'S  
EVENERS) IMPROVED ROLLER CARDS,  
PRODUCE MORE AND MAKE LESS  
WASTE THAN ANY OTHER.

7,000 SELF-STOPPING WARPERS,  
Already working with latest improvements.

800 CYLINDER SLANERS  
Now at work in America alone

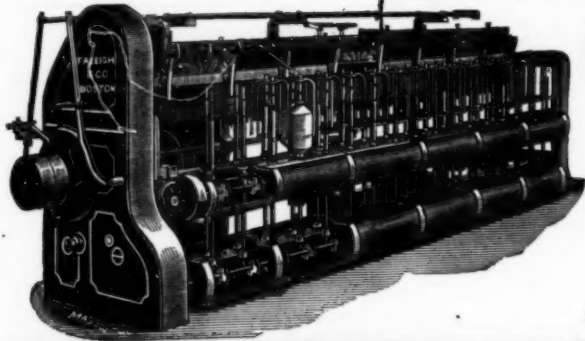
Patent and plain Spindle, Spinning and Twisting Frames,  
Spoolers, Reels and Circular Warpings, Cloth Folders, Size Kettles  
plain and Fancy Looms, Spindles, Flyers and Fluted Rolls.

**SLUBBING AND ROVING FRAMES WITH LATEST AND BEST IMPROVEMENTS.**

## F. A. LEIGH & CO.

### Importers of Mill Machinery,

—No. 40 WATER STREET, BOSTON, MASS.—



Openers, \* Lappers, \* Cards, \* Drawing,  
Slubbing and Roving Frames,  
CARD CLOTHING, Etc.

Correspondence Solicited.

Send for Circulars.



## GANDY'S PATENT MACHINE BELTING

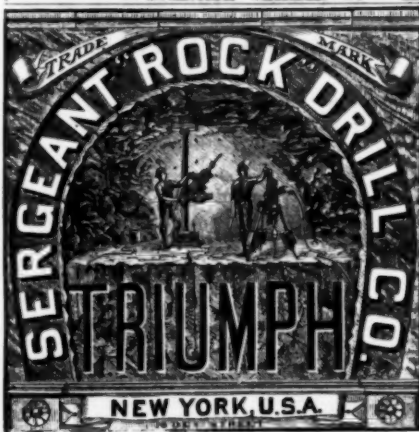
GOLD MEDAL AWARDED NEW ORLEANS, 1885, FOR BEST RUNNING BELTS.

Made PERFECTLY Straight and any Length without Joints.

For Main Driving it is the Best. Much Cheaper Than Leather.

MANUFACTURED BY

**THE GANDY BELTING CO., BALTIMORE, MD.**



## THE "TRIUMPH" ROCK DRILL

### and NORWALK AIR COMPRESSOR

Are the Latest and Most Improved Machines that were ever designed for the work required of them. They are the Most Simple, Economical and Effective now known, and will satisfy all Purchasers.

Boilers, Steam Pumps, Hoisting Engines, Pipe and Fittings, Electric

Blasting Apparatus, Powder, Caps and Fuse, Steam and Air Hose, Wire Rope,

—And General Mining and Contractors' Supplies.—

Complete Specifications for Rock Drilling and Mining Plants Furnished on Application.

**SERGEANT DRILL CO., 16 Dey Street, New York, U. S. A.**

## WHITINSVILLE SPINNING RING CO.

WHITINSVILLE, MASS., U. S. A.

SUPERIOR WORKMANSHIP.

NOT EXCELLED IN DURABILITY.

EVERY RING WARRANTED.

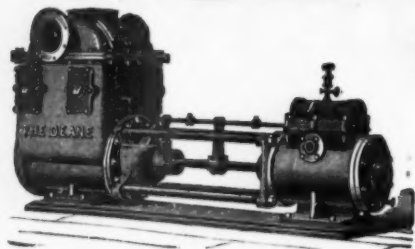


The Simplest and Best Method of Adjusting Rings



SEND FOR SAMPLE AND PRICE-LIST.

# THE DEANE STEAM PUMP CO., HOLYOKE, MASS.



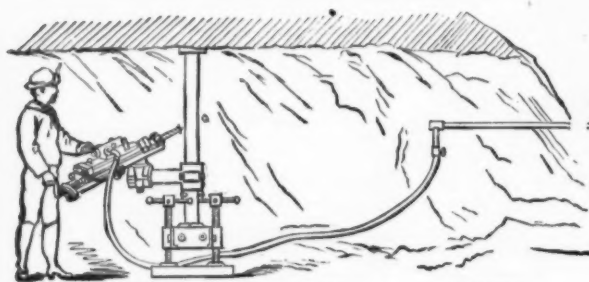
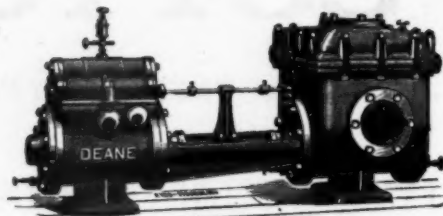
MANUFACTURE  
Every variety of Pumping Machinery

VACUUM PUMPS FOR SUGAR WORK, ETC.

IRRIGATION PUMPS ARE SPECIALTIES.

Water Works Pumping Engines for Cities and Towns.

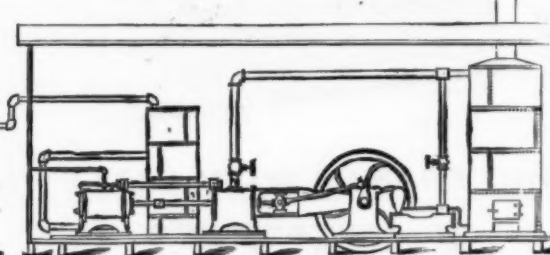
SEND FOR NEW ILLUSTRATED CATALOGUE No. 22.



ROCK DRILL.

HOSE.

AIR PIPE.



AIR RECEIVER.

AIR COMPRESSOR.

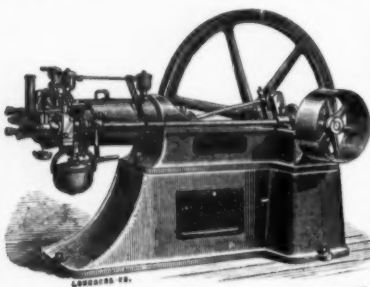
FEED PUMP.

BOILER.

## RAND DRILL CO.

23 Park Place, NEW YORK.

Rock Drills,  
Air Compressors, and  
General Mining Machinery,  
Rackarock Blasting Powder,  
Blasting Batteries and Fuse.



Over 14,000 in Use.

## Otto Gas Engine

20 to 70 per ct. less Gas consumption than ANY other ENGINE.

Working Without Boiler, Steam, Coal, Ashes or Attendance.

Started instantly by a Match, it gives full power immediately. When stopped, all expense ceases.

No explosions, no fires nor cinders, no gauges, no pumps, no engineer or other attendant while running. Recommended by Insurance companies. UNFURPASSED IN EVERY RESPECT for hoisting in warehouses, printing, ventilating, running small shops, &c. Sizes: 1 to 25-horse power.

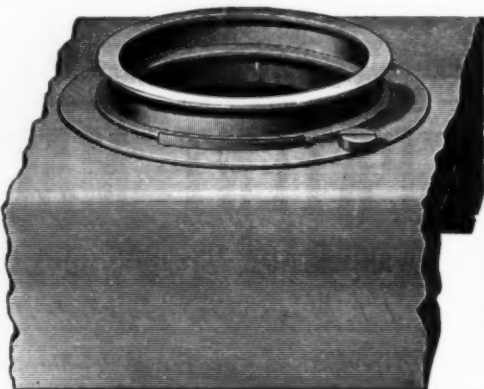
Branch Office, 214 Randolph St., Chicago.

SCHLEICHER, SCHUMM & CO., N. E. cor. 33d and Walnut Sts., Philadelphia.

## DOUBLE ADJUSTABLE Spinning Rings.

GEORGE DRAPER & SONS,  
HOPEDALE, MASS.

TELEGRAPH ADDRESS AND RAILROAD STATION,  
MILFORD, MASS.



Number of Rings sold.	Number of Rings sold for repairs.
1869..... 6,005.....	
1870..... 20,258.....	
1871..... 38,648.....	
1872..... 94,264.....	12
1873..... 117,301.....	
1874..... 168,389.....	500
1875..... 223,924.....	963
1876..... 285,319.....	947
1877..... 270,811.....	946
1878..... 215,214.....	3,309
1879..... 336,918.....	8,007
1880..... 367,860.....	11,964
1881..... 659,730.....	8,974
1882..... 636,715.....	22,515
1883..... 416,500.....	21,689
1884..... 319,869.....	25,105
1885, 5 mos. 112,522.....	12,118
Total number sold in 16 years.. 4,390,260.....	116,349
Total number in use 4,273,911.	

The great durability of our Rings is shown by the fact that we have more rings in use over twelve years old than all we have sold for repairs.

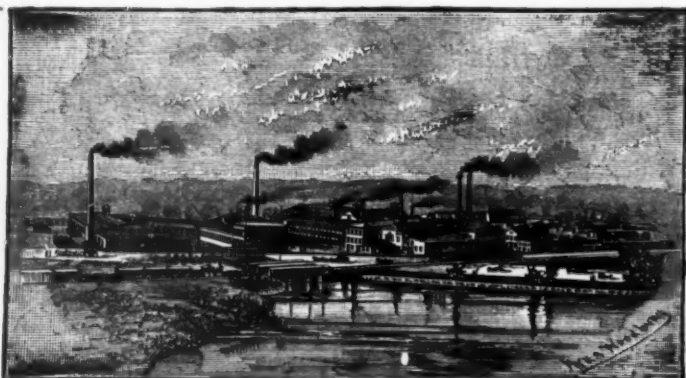
This statement shows unmistakably that a mill once supplied with our rings need think but little of the cost of repairs. As the number sold for repairs is an average of about twenty per cent. of the number sold the tenth year before, the average life of our rings will be at least twelve years.

Do not make the mistake of ordering new frames without specifying Double and Adjustable Rings. While they cost more to begin with, they are much the cheapest in the end, on account of their uniform excellent quality and unparalleled durability.

As an encouragement to use none but the best of Rings, we have decided to reduce the price on and after the first day of January, 1885, of those 1 1/2 inches or less in diameter, without holders and screws, to be used only to take the place of our rings worn out, to 12 cents each.

## Washburn & Moen Manufacturing Co., Worcester, Mass.

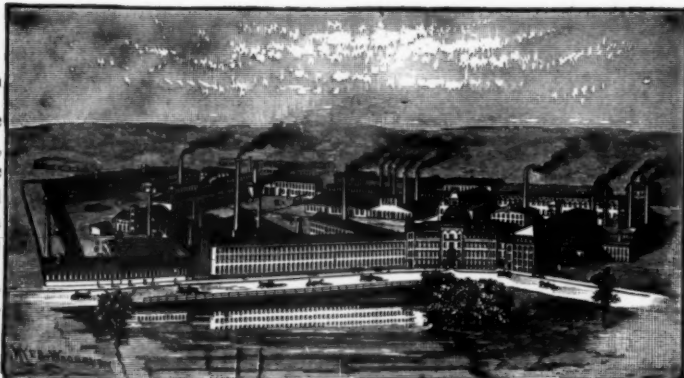
Wire Drawers, and Manufacturers of Iron and Steel Wire of Every Description.



Iron and Steel Telegraph and Telephone Wire.

Patent Steel Wire Bale Ties, Pump Chains, Chain Wire, Steel Wire for Springs, Needles and Drills, Watch Main Springs.

Send for Price-Lists, Circulars and Descriptive Pamphlets on Our Specialties.



NEW YORK WAREHOUSE:

21 Cliff Street,  
New York City.

GLIDDEN PATENT

STEEL BARB WIRE.

CHICAGO WAREHOUSE:

107 Lake Street,  
Chicago, Illinois.

The Best Fence Material in Use.

For Sale by Special Agents and Hardware

Proof against Fire, Wind and Flood.

Dealers in all Parts of the United States.



## BALTIMORE Manufacturers' Record.

Published Every Saturday by  
BIGSBY & EDMONDS.

B. E. Edmonds. J. W. Bigsby. Wm. E. Edmonds.

R. H. EDMONDS, EDITOR.

—OFFICE—

71 and 73 Exchange Place, Cor. Commerce St.,  
—BALTIMORE—

NEW YORK BRANCH OFFICE:  
Room 6, No. 118 Fulton Street,  
J. W. BIGSBY, Resident Partner.

—SOUTHERN OFFICE, ATLANTA, GA.—  
I. W. AVERY, Manager.

JAMES L. ELY,  
Advertising Agent for New York and Vicinity.  
Room 14, 29 Park Row, New York.

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TO UNITED STATES AND CANADA, \$3.00  
OTHER COUNTRIES, — — — 4.50

### ADVERTISING RATES:

One square (14 lines Agate, 1 inch) 1 time.....\$ 1.50  
" " " " " 4 ".....5.00  
" " " " " 3 mos.....10.00  
" " " " " 6 ".....18.00  
" " " " " 1 year.....39.00

For advertising on outside pages add 50 per cent. to the above rates.  
Reading Notices 50 cents per line each insertion.

BALTIMORE, AUGUST 22, 1885.

CORRESPONDENCE relating to the manufacturing, mining, lumbering and all other material interests of the Southern States is solicited. Reaching so many capitalists in all parts of the United States seeking profitable investment in the South, the MANUFACTURERS' RECORD offers an excellent chance for the people in that section to place the advantages of each locality before those likely to be interested. We will take great pleasure at all times in telling what has already been accomplished in the South, and showing up the opportunities of doing still more.

POOR'S MANUAL OF RAILROADS FOR 1885 is a splendid work, of over 1,000 pages, bringing down to the latest dates the statistics of the vast railroad interests of the United States, in detail for every road as well as in the aggregate for all combined. The full particulars of each road—its mileage, principal officers and their address, amount of rolling stock owned, earnings from all sources—and a large amount of other valuable information are given for every railroad in the country. There is also a map of each State showing the county lines, railroads, principal cities and towns, &c. It is difficult to over-estimate the value of this book. As a reference on all railroad matters it is constantly in demand. No one interested in any way in railroads can afford to be without it. It is for sale by the Baltimore News Company.

If you are not already a subscriber to the BALTIMORE MANUFACTURERS' RECORD, send us \$3 and you will receive it regularly for one year, or six months for \$1.50.

### Prospects for Crops and Business in the South.

On August 8 we sent out a large number of letters to bankers, merchants and editors, in all parts of the South, asking as to the prospects for corn, cotton, tobacco and other crops, and the outlook for trade and manufactures. To-day we devote a very large part of our space to the numerous letters received in reply to our request, but we feel assured that their importance fully merits the space given to their publication. Such a universal testimony, as to good crops and brightening prospects for business, has probably never before been presented from the South. From Virginia to Texas, the reports are, with but one or two exceptions, of the most flattering character. The corn crop is now made, and is without doubt the largest ever produced in the South, there being a strong probability that it will run from 75,000,000 to 100,000,000 bushels over last year's yield. Cotton is not yet quite safe, but the greatest crop ever grown seems almost assured. Of other crops, excepting wheat, the yields have been of the same generous character. Based on these magnificent crop prospects, the outlook for business is said to be more promising than for many years, and by some stated to be better than since the war ended. Farmers, merchants and business men generally are almost jubilant over the glorious prospects for a year of great prosperity and for an unprecedented volume of trade.

The South, rejoicing in the abundance of agricultural productions, and in the assurance of great improvement in trade and manufactures, will do her full share towards bringing back the long-looked-for better times in business.

THE last monthly report of the South Carolina Agricultural Department contains 16 pages devoted to the display made by that State at the New Orleans Exposition, illustrated by several cuts of the exhibits. South Carolina is to be congratulated upon the energy and push, as well as the good judgement shown in the management of her agricultural department. It is doing great good for the state.

THE Columbus (Ga.) Enquirer-Sun is now an 8-page paper, having changed from the 4-page form with its issue of August 13. The Enquirer-Sun is one of the best papers in a State that is liberally supplied with papers of the highest order. It is now over 56 years old.

### Money Needed for Banking Uses.

In our last issue we pointed out the great need of more banking capital in the South, and in their weekly market report from Chattanooga published to-day, Messrs. Lowe & Tucker say "there is an evident feeling of uneasiness among our business men that the banking facilities of the South will be inadequate to do the largely increased business of the South during the coming season. 10 to 15 per cent. on short time paper, based on actual shipment, is going to be a deep inroad in the profits of many producers and manufacturers. \* \* There is room to-day for double the banking capital in the South that now exists, and which would yield to investors a large interest." There is no doubt of the truth of these statements, and it behooves Southern business men to put forth vigorous efforts to effect a change. If proper inducements are offered through direct personal work, it is quite certain that large amounts of money now lying idle in the North would be invested in the banking business at the South. Messrs. Eugene Morehead & Co., bankers of Durham, N. C., also complain, in a letter published to-day, of the scarcity of banking capital and of the great need of more banking facilities to handle the business of that prosperous section. We believe that this is now one of the most important matters that can claim the attention of the business men of the South. The enormous crops now assured give promise of the need of more money to handle them than ever before required. Cheaper and more abundant money, through enlarged banking facilities, is essential to the prosperity of the business interests of the South. Now is the time to make a great effort to secure this much needed help to Southern business.

WHILE the assessed value of property in the South is steadily increasing—the returns so far made for 1885 showing a heavy gain over 1884, Kentucky alone exhibiting an increase of over \$12,000,000—Illinois, one of the representative wealthy States of the West, shows a decrease of \$19,353,753 in the assessed value of her property as compared with last year. The South may well be congratulated that, despite the short cotton crops of 1883 and 1884, she is still increasing in wealth, while even Illinois shows a decline.

THE May report of the inspectors of the Hartford Steam Boiler Inspection and Insurance Co. shows that during that month 5,708 boilers were visited, of which 2,235 were inspected internally. There were 3,638 defects reported, of which 505 were of such a serious character as to impair the safety of the boilers unless immediately attended to or remedied. 33 boilers were considered unfit for further use.

### Southern Mining Interests.

With this issue we commence the publication of Weekly Mining Notes, compiled especially for the MANUFACTURERS' RECORD by Messrs. Bruner & Eames, of Salisbury, N. C. Mr. Eames is a mining expert who has given North Carolina mining interests almost undivided attention for the last eight years. Mr. Eames has also done expert work in Honduras, C. A., and California, and has the confidence of a large number of moneyed men interested in mining. Mr. Bruner has devoted the last six years to the study of the geology of North Carolina, especially as it relates to the gold-bearing veins. He has visited every mine of prominence in the State, and has twice been selected to represent the State at great expositions—Boston and New Orleans—and is conversant with the whole mining status of that State at the present. Having determined to secure for the MANUFACTURERS' RECORD the most reliable mining information obtainable, we believe that this is now assured, as there are probably no two men in North Carolina more thoroughly posted regarding the mining interest of that State than Messrs. Bruner & Eames.

THE magnificent hotel built at Anniston, Ala., by the Woodstock Iron Company at a cost of several hundred thousand dollars, is getting to be a splendid advertisement of the "Model City of the South," as Anniston has so aptly been called. This hotel or inn, as it is termed, is drawing a large number of summer visitors from various parts of the South, who find that Anniston possesses many attractions as a summer resort and it is quite certain that the "Anniston Inn" will become the winter abode of many Northern people who annually seek to escape the cold weather by spending the winter in the South. The inn is destined to aid very largely in shaping the future of Anniston and in aiding to build up this most attractive and advantageously located city. In the building of this splendid hotel, the Woodstock Iron Co. displayed excellent judgement, for it is sure to be of immense value to Anniston.

A DISPATCH from Pittsburgh says: "The outlook in the iron trade has not been more favorable for a number of years than it is at present. Signs of improvement are coming to the surface every day, and the manufacturers are beginning to concede that the black mantle of depression is being gradually lifted from the staple industries of Pittsburgh. Orders are increasing rapidly, and many mills are running on double time." From other sections reports of the same character are becoming quite numerous, and it now looks as though the turning point toward good times has been passed.



**LARGEST CROPS EVER PRODUCED.****The South's Magnificent Crops Give Promise of a Year of Plenty.****Prosperous Times in Manufactures and Trade Looked For—Business Already Improving.**

It can, we believe, be truthfully said that never before were the prospects of the South more promising than to-day. It only needs an examination of the following special reports from all parts of the Southern States to convince any one that the remarkably favorable statements of the crop condition of the South, as lately set forth by the National Cotton Exchange and the United States Agricultural Department, were in nowise too highly colored. In fact, there is some reason to believe that these reports, as favorable as they were for large crops, hardly expressed the full measure of promise. That the South, barring some great and unforeseen disaster, is to have the largest corn and cotton crops admits of no question. The corn crop is in most of the States already assured, and cotton is now so far advanced that it is believed to be safe for the best yield ever made.

What the yield of corn will be it is, of course, impossible as yet to say, but some speculations as to its possibilities may not prove amiss. According to the July report of the United States Agricultural Department, the increase in acreage in corn in the South over last year is about 2,000,000 acres; but these figures are estimated and are subject to revision. If any change is made in them, however, it will be to enlarge them. The condition of the crop is the best for years; many reports say the best since the war. The Agricultural Departments in Georgia and South Carolina estimate a gain of fully 4,000,000 bushels in the production of corn in each of these States, compared with 1884. This would be an increase of about 20 per cent. in the yield. Now if this rate of increase holds good for the whole South, (and it is quite certain the condition of the crop in Georgia and South Carolina is no better than in the other States, and moreover, their increase in acreage is much less than the increase in the other States, according to official reports,) then the aggregate yield of corn in the South this year will be over 518,000,000 bushels, or a gain of 86,000,000 bushels compared with last year. Somewhat similar figures are reached by another method of estimating. The crop is universally reported to be better than for years, some saying "best for ten years," "best ever known," "best since the war," &c. In 1879 the general yield of corn was very good, but certainly not better than there is reason to look for this year. The average yield for the South in that year was a small fraction less than 18 bushels an acre, the total

acreage being 18,800,000 acres. This year, however, the acreage is 29,000,000 acres and if the yield is only equal to that of 1879, though the majority of reports say it will be better, the total crop of the South will be 522,000,000 bushels, or 90,000,000 bushels more than in 1884.

As to cotton, it may be said that while it still has many dangers to meet, the enlarged acreage and the splendid condition at present are believed by many to assure a crop of not less than about 7,250,000 to 7,500,000 bales, (with a possibility of going above these figures,) or an increase of say 1,500,000 or more bales over last year. In fact, South Carolina alone claims an increase of over 330,000 bales compared with last year.

Of tobacco, fruits and vegetables, the crops are the largest ever produced, and they will add many millions of dollars to the wealth of the South; while rice promises a magnificent yield, and sugar a far more satisfactory and profitable crop than last year's.

Added to this unprecedented agricultural abundance is the very important fact that these crops have been produced at a much lower cost than ever before. Southern farmers have been forced to economize, and the result is that they have produced the best crops the South has ever made, and at the lowest cost. In South Carolina, for instance, the official returns to the Agricultural Department show that the amount of liens given on the crops for advance money is \$3,000,000 less this year than in 1882 even, notwithstanding the small crops of 1883 and 1884. The crops of 1885 will go a long way towards the improvement of the financial condition of Southern agricultural interests, and will put an immense amount of money into active circulation.

We invite a careful reading of the following very interesting special reports to the MANUFACTURERS' RECORD on the crop prospects and the outlook for business:

**Virginia.****PROSPECTS FOR CORN AND TOBACCO NEVER BETTER.**

*Lynchburg, Va.*—The prospect for a large or very full crop of corn and tobacco was never better, and rarely ever as good, as at present throughout the entire State. In fact, we regard both as absolutely safe now. The wheat crop was short, probably not half crop. The oat crop is the best for twenty years, and while there has been a good deal of croaking by the business people generally, we will say that while collections are not as good as we would like, still we have had as good a year as we have ever had since we have been in business; and we believe before the next six months there will be a much better business in this section than we have seen perhaps for several years. Our experience is that money is getting easy in our banks; in fact, they would like to have more good paper than they are getting.

LEE &amp; CO.

**UNUSUALLY FINE CROPS.**

*Fincastle, Va.*—Aside from the short wheat crop, the outlook in all this section is very favorable. The corn, oats, tobacco and fruit crops are unusually fine, and these must necessarily contribute to the revival of business in all branches.

M. W. CAMPER.

**BUSINESS ON A SOLID BASIS.**

*Norfolk, Va.*—Of the corn crop we can say nothing, as but very little is raised in this section. Of business in general, we would say that we think it is on a very solid basis, and it is our judgment that the keenest depression has been felt, and the coming fall will witness a gradual extension of trade, upon, however, a very conservative basis. Everybody is trying to be economical, credit has been materially reduced, and people have been forced to spend less money than for several years past. The crops have been cheaply made, and the money already advanced in their culture represents but a small proportion of their value, hence when they are marketed there will be an unusually large surplus to go into circulation. The organization of the Norfolk National Bank, which commenced business August 1 with a capital of \$400,000, gives an important aid to the business community in this section.

PRICE, REID &amp; CO.

**OUTLOOK MUCH BETTER THAN LAST YEAR.**

*New Castle, Va.*—There is no cotton raised in this section. The outlook for corn is better than for many years. The crop will be very large. Oats good; large hay crop; good prospect for tobacco. A large number of sheep, cattle and horses in this county for sale. Many sheep and cattle will, no doubt, go into market this fall. The outlook for business, judged by condition of crops, is much better than last year.

CHAS. N. HAWKINS, Editor Record.

**BETTER THAN FOR TEN YEARS.**

*Covington, Va.*—The corn crop in Northwestern Virginia is so far better than for ten years; grass and oats very fine. Alleghany county, the great iron center of Virginia and West Virginia in a business sense, has very bright prospects. A new mining company will shortly begin operations, making a total of seven in the county.

C. M. BRAGG, Sentinel.

**VAST IMPROVEMENT EXPECTED.**

*Williamsburg, Va.*—The outlook for the farmers is very favorable. Plentiful harvest, especially in corn, potatoes and peanuts; an abundance of vegetables, and fruits are plentiful. We look forward to a vast improvement in general business in this section the coming fall. Manufactures nil.

B. LONG, Editor Gazette.

**WHOLE OUTLOOK HOPEFUL.**

*Lexington, Va.*—Oats and corn crop largest and best ever known. Wheat crop not more than half; perhaps not more than 40 per cent. of average; but a good deal of old wheat on hand. Manufactures about as last year. Merchants have little trouble making sales or collections. Little money in circulation, but nobody wants to borrow. Banks doing little at discounting. Building and improvements active; perhaps good as last year. The whole outlook hopeful, and it would seem as if nothing is wanting but confidence.

A. P. BOUDE, News.

**SURPASSES ALL PREVIOUS YEARS IN OUR HISTORY.**

*Lexington, Va.*—The outlook for corn surpasses all previous years in our history. Business is moderate; money scarce. Our manufacturing establishments are in fine trim. Abundance of room for enterprising capitalists in this line. Splendid water power.

E. H. BARCLAY, Ed. Gazette.

**NEVER MORE FLOURISHING.**

*New River Depot, Va.*—While there is little disposition on the part of our people to go into manufacturing, the agricultural interests of the country were never more flourishing. Large crops of corn are maturing and will soon be ready for market.—Editor of Bulletin.

**BUSINESS OUTLOOK GOOD.**

*Front Royal, Va.*—The outlook for corn in this section is good, (no cotton raised,) and so it is for business generally, as compared with last year.

JNO. T. LOVELL, Editor Sentinel.

**North Carolina.****SPLENDID CROPS.**

*Lexington, N. C.*—The outlook for crops of corn, cotton and tobacco in this county (Davidson) is much above the average at this season. It is a common observation that the corn crop is the best in 10 years. Farmers, almost without exception, speak very cheerfully of the prospect. There are as yet no visible signs of a revival of trade here, but it is expected that business will be pretty brisk in the fall, though the long-continued depression in trade has resulted in great cautiousness on the part of dealers. The dried fruit trade is duller than usual, on account of low prices, though the fruit crop is larger than usual. My own opinion is that business will be good here in the fall.

T. B. ELDRIDGE, Editor Dispatch.

**EXPECT A GOOD HEALTHY TRADE.**

*Salem, N. C.*—As this is a tobacco market, we quote that first. Planters claim good crops and maturing in advance of last year. Much leaf will be cured early in September. Prices are now a little "off," but have been uniformly good during the past season. Considerable old leaf is yet coming in. Corn is better than for several years past. Yadkin river bottom lands produce unusually fine corn crops. Vegetables abundant. Peaches plentiful and bringing from 65 cents to \$1 per bushel. Sweet potatoes just coming in. Irish potato crop only tolerable. The business outlook is fair. Manufacturers and merchants expect a good healthy trade, but no "big boom" in business is looked for.

L. V. &amp; E. F. BLUM.

**CROPS IMPROVING.**

*Weldon, N. C.*—Part of the corn was planted early; that is not good. The late corn is very good, and with late fall the yield in this section will be more than average. Cotton, until two weeks ago, was very poor, but the good seasons have improved it 200 per cent. The prospects for a good crop are better than for several years, provided it has late fall.—Roanoke News.

**BRIGHTENING EVERY DAY.**

*Carthage, N. C.*—The outlook for business is very bright through this section. The corn, cotton and tobacco crops are more promising than for many years previous. All crops are promising, and our manufacturers are doing a lively business, with prospects brightening every day. Much credit business is done in this section, but this year it is considerably less than for previous years. Cash or barter is the trading basis now.—Moore Gazette.

**VIEWS OF A BANKER.**

*Durham, N. C.*—The outlook for business, judged by the condition of the crops, is just as good as it can be. We have not suffered here for lack of business during 1885, yet 1885-6 promises doubly as well, as our tobacco and corn crops are immense. The cotton prospects fine. Our factories have all they can do, and our railroad sidings covered with lumber cars for buildings. All we need is more banking capital.

EUGENE MOREHEAD.

**TRADE GRADUALLY IMPROVING.**

*Durham, N. C.*—The prospect for corn, cotton and tobacco is very fine in this State, and much larger than last year. We think that trade is generally improving, and that money is becoming easier. Nearly all of our farmers have made large money on their tobacco this year, and most of it has been sold in the last two months.

R. B. BOONE, Ed. Reporter.

**BEST EVER KNOWN.**

*High Point, N. C.*—The corn and other crops are the best ever known in this section, and the tobacco crop is ten times larger than last year. Trade is improving; manufacturing dull. The business outlook is more promising than for more than a year past. Large fruit crops.

C. F. CRUTCHFIELD, of the Enterprise.



## BUSINESS OUTLOOK GREATLY IMPROVED.

*Greensboro, N. C.*—Prospects for corn, over an average. Very little cotton raised in this district good. Never was a better prospect for tobacco, and four times the acreage planted this year over last. Business outlook greatly improved over last year. Manufacturing interests taking a boom. Success to the RECORD.—Editor Patriot.

## LARGEST TOBACCO CROP EVER RAISED.

*Winston, N. C.*—The outlook for fall trade is considered encouraging. The tobacco crop will be larger than it has ever been before, if the reports of the farmers are to be credited. The wheat yield will not be so good; that of corn something better. Of course, everything in this vicinity is regulated by the tobacco crop; as that promises unusually well, as I have already stated, our people are generally rejoiced at the prospects. EDW. A. OLDHAM, Pub. Sentinel.

## BRIGHT PROSPECTS FOR BIG YIELDS.

*Fayetteville, N. C.*—The prospects for an abundant yield of corn and cotton are bright; rains have been timely; the growing crops never looked better. Buildings in the town are going up all the time; more than a hundred houses, large and small, have been built here in the past two years. The general belief is that the prospects of a good fall trade are fine. H.

## DECIDEDLY FINE.

*Franklinton, N. C.*—The general crop prospects are decidedly fine in this section. Cotton and tobacco are both promising. Corn up to average. Small sections have been injured by dry weather.—Ed. Weekly.

## OUTLOOK BETTER THAN LAST YEAR.

*Hickory, N. C.*—We would say that the outlook is fair. The wheat has been harvested in this section and is short by 25 per cent., but of excellent quality. Cotton and tobacco promising. Corn will do well. People are hopeful. Outlook for business better than last year.

BRYAN & TOMLINSON, Piedmont Press.

## MARKED IMPROVEMENT LOOKED FOR.

*Henderson, N. C.*—The outlook for a good crop yield is most encouraging; tobacco, cotton and corn promising; prospect good for marked improvement in trade and manufactures. From present condition of crops and general status of business at this time, trade promises good for fall and winter—a decided increase over last season.

THAD. R. MANNING.

## LOOK FOR IMPROVEMENT.

*Rockingham, N. C.*—The crop prospect in this section is reported as very promising for corn and fair for cotton. The cotton manufacturers here look forward to improvement in their business. They think the crop prospect justifies such expectation.

A. C. WALL, Editor Rocket.

## PROSPEROUS SECTION.

*Oxford, N. C.*—Winter oats, 30 per cent.; spring oats, 60 per cent.; Indian corn, 90 per cent.; tobacco, 100 per cent.; cotton crop almost entirely displaced by tobacco; sweet potatoes, 100 per cent.; Irish potatoes, 66⅔ per cent.; clover, 75 per cent. Section very prosperous. Business, favorable outlook.—Publisher Torchlight.

## PROSPECTS FOR FALL TRADE IMMENSE.

*Salisbury, N. C.*—Prospects for fall trade are immense. Both merchant and farmer are looking forward with confidence. The corn outlook was never better. It will be the largest crop gathered for years. Tobacco will be exceptionally good unless something unforeseen happens to prevent. New tobacco has been placed on this market at good prices. Cotton filling out, and bids fair to be a large and paying crop. In comparison with last year the prospects for increased business are most encouraging. Two new tobacco warehouses going up here at an early day. T. K. BRUNER, for Watchman.

## BEST FOR 20 YEARS.

*Shelby, N. C.*—The outlook for cotton in Cleveland county is at present the best for 20 years, as to acreage, quality and quantity, and corn promises nearly as well. Even a continued drought would not now seriously injure the cotton, and would do little less damage to the corn. Other crops are all in good condition. Oats were a failure; nearly total. Of wheat there was a half crop, but it was excellent. If a vote passes, which is highly probable, work will be begun here in 3 weeks on a railroad to run eventually from Charleston to Cincinnati, and everything is on a boom. On the whole, crops are at least 50 per cent. better than last year. Tobacco first-class. GEO. A. FRICK.

## EVERYBODY IN GOOD SPIRITS.

*Raleigh, N. C.*—Crop outlook good in every respect, and prospect of improvement in trade, &c., encouraging. Business outlook, as compared with that of last year, better, decidedly. Everybody in good spirits.

J. I. McREE, Ed. News and Observer.

## NEVER BETTER IN THIS SECTION.

*Charlotte, N. C.*—The summer crops in this section were never better than they now are, and the outlook for business is very good. Corn is practically made, and cotton nearly so. CHAS. R. JONES, Editor Observer.

## South Carolina.

## SOUTH CAROLINA'S GLORIOUS PROSPECTS.

*Columbia, S. C.*—The cotton and corn crops at this time are the most promising in many years.

The yield of cotton in South Carolina in 1884 was 525,000 bales. The area this year is 1,722,117 acres. The condition of the crop is better than at any period since 1870, with the possible exception of 1882. Well-informed cotton growers place the yield this year at 861,058 bales, or one bale to two acres. If this estimate is realized, it will be an increase of 335,106 bales over last year's crop, worth at least \$15,000,000.

The South Carolina corn crop of 1884 was 13,320,000 bushels. The area this year is 1,420,297 acres, and the condition simply splendid. The early crop is "made." The yield will be fully 17,000,000 bushels—an increase of 4,000,000 bushels over last year.

The appearance of the caterpillar in some sections of the State excites some apprehension among the farmers, but so far only slight damage has been reported.

The small grain crop—wheat and oats—was short, owing to the severe winter and other causes.

The farmers will supply the deficiency in the small grain crop, to a great extent, by other forage crops, and by the unusual yield of the corn crop.

The returns to the State Department of Agriculture show that the aggregate amount of agricultural liens (given to obtain advances upon the growing crops) is \$3,000,000 less than in 1882, notwithstanding the fact that the intervening years 1883 and 1884 were unfavorable crop years. There is no better evidence than this of the financial condition of the farmers of the State.

In the face of the facts I have given comment is unnecessary. They show for themselves the "prospects of improvement in trade and manufactures. L. A. RANSOM.

## MAGNIFICENT CORN CROP.

*Aiken, S. C.*—The corn crop in this section is magnificent, and is made. The cotton crop promises well. Caterpillars have appeared here, but if they do no serious damage the crop will be the largest in many years. Business outlook bright. Manufacturers are hopeful. HUTSON & LIGON, Review.

## FAR SURPASSES LAST YEAR.

*McCormick, S. C.*—The oat crop is poor; wheat an average; corn and cotton better than has been for several years. The outlook for business, compared with last year, far surpasses it. Our merchants are preparing for a heavy fall trade.—Editor Advance.

## BEST OUTLOOK SINCE THE WAR.

*Marion, S. C.*—The outlook just at this time is the best that we have had since the war. Our county will make enough corn to run her next year, and in every county in the State the corn crop is the "best." If cotton don't shed, will make an August crop, which is considered the profit. We have every reason to be hopeful.

W. J. MCKERAN & SON, Eds. Cotton Plant.

## PROMISING PROSPECTS OF IMPROVEMENT.

*Newberry, S. C.*—The prospects for the fall trade are good as to volume, but no better than last year as to price. The outlook for the corn and cotton crops, and for business, is fairly good; better than last year at present time. Consequently, with good crops, the prospects of improvement in trade and manufactures are promising.

R. H. GRENEKER, JR., Ed. Herald and News.

## DECIDEDLY ENCOURAGING OUTLOOK.

*Georgetown, S. C.*—The outlook for business, judged by condition of crops as compared with last year, is very good. The prospects for a fine rice crop (the chief agricultural product of Georgetown county) are pronounced unusually good. If no gale takes place the yield will be magnificent. The repeal of the compulsory silver coinage law would stimulate business. Altogether, the outlook is decidedly encouraging.

W. HAYARD.

## AS GOOD AS IT CAN BE.

*Pickens, S. C.*—The corn crop is as good as it can be; far better than for many years; nobody wants it any better. The present prospect for cotton is very fine indeed. Our people have been so far behind that it will take a full crop to set them straight; so most of the surplus crop will be used in the payment of debts to the merchants, and there will be little left to trade. But the outlook for trade is 100 per cent. better than it was last year. J. E. BOGGS, Editor Sentinel.

## Georgia.

## OUTLOOK FOR CROPS NEVER BETTER.

*Fort Valley, Ga.*—The outlook for crops of all kinds was never better in this section, and our people are in good condition. We are peculiarly an agricultural people, by reason of our fine lands, but there is an interest in manufacturing springing up. We have a fine opening for a party with machinery for iron work. Our new foundry needs this to complete its equipment. It is doing all it can in moulding, but wants machinery to finish. S. B. BURR.

## VERY FLATTERING OUTLOOK.

*Quitman, Ga.*—The outlook for a good season is very flattering in this section. Crops of all kinds are exceedingly promising, and a fine fall trade is anticipated by our merchants and business men.

A. P. PERHAM, Editor Free Press.

## LARGEST CORN CROP EVER SEEN.

*Griffin, Ga.*—The largest corn crop ever seen in this section is now made, while the outlook for cotton (now safe, without any special disaster) is better than at any time since the war. The peach crop is larger than the immense crop of last year; grapes greatly damaged by wet weather. Business of all kinds cannot fail to be very good, while a general settling up of all indebtedness is confidently expected.

DOUGLAS GLISSNER.

## GEORGIA'S SPLENDID OUTLOOK.

*Atlanta, Ga.*—Crops have never been better in Georgia in prospect. In 1883 we had a 24,600,000-bushel crop of corn. Our Agricultural Commissioner thinks we'll have 40,000,000 this year. Cotton never more promising; large crop. There has been a good fruit, vegetable and melon crop. Potatoes, rice, cane, &c., all good. Best seasons ever known; farmers jubilant. The prospects of improvement in trade and manufactures are proportionately favorable. A hopeful feeling prevails; confidence is re-awakening. I. W. AVERY.

## FINEST CORN CROP FOR MANY YEARS.

*Cartersville, Ga.*—The corn crop in Bartow county is the finest known for many years. Cotton generally good; rather late owing to late coming up in the spring. Wheat yielded poorly. Fall oats a failure, but the spring crop was good. Peas, Milo maize and millet fine.—Editor Cartersville Courant.

## OLDEST INHABITANT NEVER SAW BETTER

## CORN CROP.

*West Point, Ga.*—I consider it safe to say that the corn crop was never, in recollection of the oldest inhabitant, better in this section of Georgia and in the neighboring counties, Lee, Chambers, Randolph, and Tallapoosa, of Ala. The cotton and other crops promise good yields if no disaster strikes cotton. Wheat and oat crops fair. Trade begins to look up a little, and our merchants look forward to a lively time in the fall. Prohibition prevails, and our people are quiet and law abiding. Building boom has kept up all the summer.

MRS. W. B. CALLAHAN, Ed. Press.

## GOOD AS THE LAND CAN PRODUCE.

*Montezuma, Ga.*—The corn, cotton, pea, cane, potato and other crops are as good as the land can produce. A few caterpillars reported, but will do very little damage. Everybody expects a good trade. The outlook is better than last year. Our people want a fertilizer and furniture factory. Will have a boat on our river soon.

W. T. CHRISTOPHER.

## CORN AND COTTON BEST FOR 10 YEARS.

*Canton, Ga.*—I think that the trade this fall in this immediate section will be better than it has been for several years, though the people will not buy largely nor extravagantly, but will first pay debts of one, two and three years standing, and then buy what is needed, and possibly a few things they could do without. As to the corn and cotton crop, can say at present it is quite promising; has not been better in ten years, so many old farmers say. The rains have fallen just right so far, and an uncommon harvest is looked for. As compared with last year everything presents a much more cheerful and encouraging outlook. The trade in manufacturing and mining is sure to show up a marked increase in the next twelve months. BENJ. F. PERRY.

## DECIDEDLY ENCOURAGING.

*Elberton, Ga.*—The corn crop in this section is one of the best we have had for twenty years, and is now about matured. Cotton is very promising, and if the seasons continue favorable for six weeks longer, there will be a fine crop made. All other summer crops are good. The business outlook here is decidedly encouraging, and the people seem to be more hopeful and cheerful than we have seen them for years.

S. N. CARPENTER, Ed. Gazette.

## BETTER THAN FOR MANY YEARS.

*Milledgeville, Ga.*—It gives us pleasure to state that the crops in this section are better than for many years past. This time last year this section was suffering from a protracted drouth. The business outlook is better than it was last year, and our people are cheerfully looking forward to a prosperous business this fall and winter.

J. N. MOORE, Union and Recorder.

## FAR BETTER THAN FOR FOUR YEARS.

*Conyers, Ga.*—The prospect in this county is far better than for the past four years. Corn is already safe and in abundance. The best cotton crop is now growing that we have had for 10 years, and there will be a tremendous yield if the showers continue. The business feeling is good. Trade promises to be large. Business will be double last year. SOLID SOUTH PUB. CO.

## EXCEPTIONALLY FINE.

*Cartersville, Bartow county, Ga.*—Exceptionally fine season for corn and cotton. All crops very promising. Hopefulness in all business circles. E. CHRISTIAN, Editor.



## ABUNDANT CROPS ENCOURAGE TRADE.

*Barnesville, Ga.*—Corn, cotton, pea and potato crops were never known so good as now. Where land was worked well, crops are as good as the land will make. Corn is secure and an abundance is made. Some danger to cotton yet—worm threatening and damage expected. Business outlook far more encouraging than at this time last year. Great economy has been practiced, and the abundant crops encourage trade.

J. C. McMICHAEL, Gazette.

## OUTLOOK PROMISING.

*Brunswick, Ga.*—The outlook for trade on the basis of crops in this section is promising, though at present business is fearfully dull. We are looking, however, for an improvement as fall sets in.—Editor Advertiser and Appeal.

## AN IMMENSE BUSINESS EXPECTED.

*Rome, Ga.*—This is the finest crop year in this section our people have experienced in fifteen years, and we expect an immense business the coming fall. Rome will receive not less than one hundred thousand bales of cotton. The crops, both corn and cotton, are fine, and Rome will do a larger business this year than for ten years past.—Daily Bulletin.

## HOPEFUL OF PROSPEROUS TRADE.

*Augusta, Ga.*—The reports we get from the country are very favorable for a fine crop of corn, cotton, &c., although there is some report of worms in the cotton in this section, which may damage it to some extent. Our merchants and business men are very hopeful of a prosperous and lively fall and winter trade.—Editor Chronicle.

## BETTER THAN EVER.

*Decatur, Ga.*—Reports from my correspondents throughout this (DeKalb) county, say that corn and cotton crops were never better than at present. Outlook for business is better than ever.

E. L. HANES, Ed. DeKalb News.

## Florida.

## PROSPEROUS FLORIDA.

*Orlando, Fla.*—No corn or cotton to speak of is grown in this part of the State. The orange crop never before looked so promising. Transportation facilities have greatly improved during past year through the building of new local railroads, and this encourages the truck growers. They will plant larger areas than ever before. Northern people are settling here rapidly, and this increases demand for merchandise, lumber and building material. South Florida is prosperous and has a bright future in prospect.

MAHLON GORE.

## DULL TIMES UNKNOWN IN FLORIDA.

*Jacksonville, Fla.*—The development of our State, now going on at an unprecedented rate, keeps dull times away. There is less of dullness here than in almost any State around. Our business outlook in nearly every department is good. Our corn crop is made and is a good one. Cotton, both long and short, is reported a full crop. Greater diversity of industries is gradually coming among us. Our influx of new settlers continues in the summer as well as in winter. At least six railroads are now building in our State. Florida's present and future is sure.

W. B. CLARKSON.

## ENCOURAGING TRADE PROSPECTS.

*Sanford, Fla.*—Trade prospects for fall are very encouraging. The summer has been a dull one, more so than last year. We have had no failures, and our merchants are all on a solid footing. Enquiries from all parts of the North and Northwest are being received for lands and homes; and we expect the immigration of this fall to exceed that of last by 200 per cent. Those who come are the right sort—sturdy, energetic and self-reliant. The orange crop, as also other fruits, will be good, and in some localities very heavy factories and mills will be started here this winter. There is a first-class chance here for a canning factory.

S. A. ADAMS, Editor Argus.

## BUSINESS MEN VERY HOPEFUL.

*Jacksonville, Fla.*—Cotton crop excellent and now being gathered; it is the largest for years. Corn crop up to good average, though comparative failure in some localities. Prospects of a good orange and fruit crop are very promising. Business men are very hopeful of a good fall and winter trade. Collections good. C. H. JONES, Ed. Times-Union.

## Alabama.

## GOOD CROPS NEAR ANNISTON.

*Anniston, Ala.*—The crops in this section are the most abundant ever known. The season has been a most favorable one. The rains have been general and weather all that could be wished. The fruit crop is excellent, while melons and vegetables were never finer or more abundant. The rains have given us a fine hay crop. Corn could hardly be better. Cotton this year will make up for the partial failure of the past two years. Our farmers are hopeful. If they can sell their crops at a price to realize a profit, they will be able to improve their farms and better their own condition; they will have money to buy what they need—what they don't produce themselves. Just in proportion as their profits enable them to do this will they help the merchant, the manufacturer, and stimulate all business.

SAML. NOBLE.

## COULD NOT BE BETTER.

*Asheville, Ala.*—At date, crop prospect, both of corn and cotton, could not be better. Based upon this, trade will undoubtedly be brisk. Improvement in trade and manufactures must be greatly increased. The demand will surely be lively in all branches of trade if present condition of crops hold good to the end. Corn is as good as made, and cotton is in excellent condition. People are hopeful and getting ready for better times. Put it down that the fall trade will be large. The corn crop will be very large here.

C.

## A FINE INCREASE.

*Blountsville, Ala.*—Crops in Blount county 20 per cent. better than last year, and area under cultivation in the county fully 20 per cent. greater. Hanceville is preparing to make improvements; a steam gin is now being constructed, and a grist mill and two churches are in contemplation. Near Blountsville, Cox & Helmes have received new machinery for their gin.

L. H. MATTHEWS.

## BOOMING HUNTSVILLE.

*Huntsville, Ala.*—I am glad to make a very favorable report. The prospects for a large cotton and corn crop were never better, both looking unusually well and promising for a large yield. The happy feature is the large acreage of corn this year—this, Madison county, will make all the corn she needs for consumption. Our people are rapidly adopting a system of diversified crops, which North Alabama is most admirably well adapted to, and suited for in every natural advantage. Huntsville is looking up wonderfully well; the outlook for a revival of business is very flattering. More building and improvements going on in the city than for twenty years; every carpenter and mechanic rushed for all they can do. The new saw mill and sash, door, window and planing factory of Mayhew & Meyers is in operation, and will fill a long felt want. It is a strong and safe firm. The Huntsville Oil Mills are undergoing extensive repairs in order to double its capacity; the old engine will be replaced by one which will be the most elegant in the state. This is due to the enterprising spirit of Major M. J. O'Shaughnessy, president. It will start up about first or middle of September, and will work over 100 hands. Huntsville is a splendid location for a soap factory. The Mercury Publishing Co., expect to commence about first of September the publication of a Daily Mercury, which will be the only daily in North Alabama. BEN. P. HUNT.

## ABSOLUTELY NOTHING TO COMPLAIN OF.

*Birmingham, Ala.*—The crops in this county were never better. There is absolutely nothing to complain of. The outlook was never brighter. Birmingham is on a boom.—The Chronicle.

## MANUFACTURES ON THE INCREASE.

*Decatur, Ala.*—The corn crop is better than last year. Cotton is fully one month later, but indications are better than last year. The oat crop here never is large, but this year there was much more than heretofore and the crop unusually fine. There is a general uplooking among business men. Our manufacturing interests are on the increase, though not one-hundredth part as large as they should be, yet they are doing well. You can report progress for us. I am delighted with the RECORD, and hope for you a bounteous reward.—Editor Tennessee Valley.

## BIG CORN AND COTTON CROPS.

*Anniston, Ala.*—The corn crop in this section is made, and the most abundant in a half-dozen years. There has not been such a prospect for a cotton crop in several years, but many things can happen later to blast it. Our people feel very much encouraged over the business prospect for the fall and winter. If confidence among the moneyed men can be restored, a great business revival will open up in the South.—Editor Watchman.

## A BOOM ANTICIPATED.

*Montgomery, Ala.*—The corn crop is safe beyond disaster and but little behind the big crop of last year. Cotton promises the biggest yield in years, and Montgomery merchants say they look for a genuine boom in every branch of trade. Too much rain and worms, however, threaten to modify the outlook somewhat. Our factories are all doing well now and expect to do better. Several new enterprises are under way in different parts of Central Alabama.

CHAPPELL CORY, for Advertiser.

## HEAVY FALL TRADE EXPECTED.

*Auburn, Ala.*—The prospect for all important crops in our State is unusually good, and a heavy fall trade is expected by our merchants generally, so far as I can learn. The general outlook for business is much better than last year at this time. We are constantly having manufacturing enterprises established in our State, and the outlook in that direction is very flattering. E. C. BETTS.

## PRESENT PROSPECTS FLATTERING.

*Tusculum, Ala.*—Corn crop—now made—is the best in 10 years. Cotton, though in unusually fine condition, will need rain during the next two or three weeks. Fruits, owing to unfavorable weather, are not promising, peaches being a total failure. The fall trade with us will depend upon the crop outcome to a large extent. Present prospects are flattering. Industrial enterprises, both active and embryotic, are carefully feeling their way, awaiting an outline of the tariff policy of the administration.

BLAKE & SON.

## MUCH CONFIDENCE IN BUSINESS.

*Tuskaloosa, Ala.*—The crop outlook throughout Alabama is very fine just now. Corn is not quite as good as last year, but more than enough for home use will be made. Cotton is about two weeks later than last year, but is fruiting finely. Worms have made their appearance and may cut it off very much, but if they will stay away till September 1st, the heaviest crop ever made in Alabama will be harvested. The bright outlook has caused much confidence in business circles, and all branches of trade are preparing for a heavy trade this fall. S. F. NUNNELEE & SONS.

## AN EARLY REVIVAL EXPECTED

*Calera, Ala.*—The crop prospect was never better than now in this section. Farmers, merchants, in fact all classes, are hopeful, and the indications all point to an early revival of trade in all branches.

N. A. GRAHAM, Ed. Sentinel.

## CROPS EXCELLENT.

*Birmingham, Ala.*—Present prospects of corn and cotton excellent, and expect good trade this fall and winter. ENSLEN & SON.

## BEST FOR YEARS.

*Talladega, Ala.*—The prospect in this section and Talladega City for a fine fall trade is the best for years. The outlook for corn, cotton, etc., is 45 per cent. better than last year. Some manufacturing will be established this fall and winter. Everything is promising, and the people are happy over the prospect. If a man don't make money here this fall it will be his own fault.—Editor Our Mountain Home.

## Mississippi.

## BRIGHT BUSINESS PROSPECTS.

*Vicksburg, Miss.*—The corn crop in this section is already made. It is the largest and best corn crop we have had since the war, and will keep a great deal of money at home that has gone to the West in previous years for corn. The outlook for cotton is excellent, although some apprehensions are expressed in regard to danger from worms. It is probable, however, the crop is too far advanced to be injured by the worms, and we will undoubtedly have the largest and best crop of cotton ever made in this section. In consequence of the splendid crop prospects, the business outlook is bright, and much better in Vicksburg than at this time last year. J. G. CUSHMAN, Evening Post.

## TOO LATE FOR DAMAGE TO CROPS.

*Grenada, Miss.*—We have good crops of cotton and corn in this and surrounding counties. It is now too late for worms or rust to do much damage, if either appear. We anticipate a lively trade this fall, and the hopeful condition of the country has been greatly improved.—Grenada Sentinel.

## CHEERFUL OUTLOOK REPORTED.

*Cointh, Miss.*—Forward corn good; late injured by heat and dry weather. Cotton fair; liable to injury by drought. Potatoes and peas fair. Sorghum good. Oats, millet and grasses for hay good. Pasturage excellent. While the crop generally cannot be as large as it once promised, the outlook is cheerful. People, less in debt than usual, will have more surplus money, and the outlook for the fall trade is good. Having been economical, the people must buy when they get money. No doubt the Southern trade will be unusually large if no disaster comes to crops hereafter.

J. M. MARTIN, Editor Herald.

## VERY FAVORABLE FOR FINE TRADE.

*West Point, Miss.*—The cotton and corn crop in this section will average 25 per cent. better than last year. The outlook just now is very favorable for a fine fall trade. A splendid large brick mill going up, with all improvements, in our town; cotton gin connected. The business of this place, judging from present outlook, will be far better than last year. L. T. CARLISLE, Ed. Leader.

## THREE DANGERS TO THE COTTON.

*Greenville, Miss.*—The crops here are in good condition. The corn made a large and abundant supply. This is a precarious period for cotton,—the dangers being the army worm, drouth or wet. Barring these contingencies, the yield will be large. Trade depends on cotton. No movement in manufacturing. J. S. McNEILY, Ed. Times.

## MORE FAVORABLE THAN FOR SEVERAL YEARS.

*Natchez, Miss.*—It gives me pleasure to say that the present outlook for all staple crops in this section is more favorable than it has been for several years past. As the business of all kinds in this community is based upon the extent of the crops, the outlook is decidedly favorable for a largely increased commercial business. Manufacturers, too, promise to become more prosperous than they have been for the past three years.

THOS. GRAFTON, Editor Democrat.



## ABUNDANT CORN AND SPLENDID COTTON PROSPECTS.

*Canton, Miss.*—The corn crop in this section is abundant. The outlook for cotton is the best ever known. The worms are destructive in some counties on the Mississippi river, but it is too late for them to attack us and do much damage, and at present everything is propitious. Sweet potatoes and other minor crops are fine. Market gardening is a growing industry at this point, and those engaged in it have realized great profits this season. If we get a fair price for cotton, money will be plentiful and trade brisk. A. S. BOSWORTH, Pub. Am. Citizen.

## MOST FAVORABLE BUSINESS OUTLOOK SINCE THE SURRENDER.

*Jackson, Miss.*—The best outlook for corn and cotton since the war. With favorable weather, Mississippi will produce this year more cotton and corn than any year since 1860. The merchants and others are preparing for a big business this fall. We have the most favorable business outlook since the surrender. E. G. WALL.

## FEEL GREATLY ENCOURAGED.

*Yazoo City, Miss.*—There never was a better outlook for cotton in this section than there is now. Corn was injured by drought, but a fair crop was made. The business men of the city feel greatly encouraged, and believe more money will be in circulation here this fall than ever known. A new first class compress is in course of erection here by the Illinois Central Railroad, which is expected also to aid us greatly.

HENRY & MOTT, Sentinel.

## MUCH BETTER THAN FOR MANY YEARS.

*Columbus, Miss.*—Crops in this section of all kinds are much better than for many years past. The corn crop, which is assured now, is especially large and fine. The cotton crop could not have better prospects of being the greatest success. Worms have appeared, however, in some localities, but so far have done no damage. It is impossible just now to say how cotton will be affected during the next few weeks, but with continued favorable weather a splendid crop is assured. O. E. MAER, Editor Dispatch.

## LOUISIANA.

## VERY FINE OUTLOOK IN LOUISIANA.

*New Orleans, La.*—The outlook for the corn, cotton and other crops in our section is very fine. Cane crop will be about the same as it was last year. Outlook for business compares favorably with last year.

J. G. GILMAN, Sugar Bowl.

## ALMOST UNPRECEDENTED CROP CONDITIONS.

*New Orleans.*—Almost unprecedented favorable Southern crop conditions will, it is believed, create such a revival in Southern trade and industries that it will spread to all other sections.

L. L. LINCOLN, Times-Democrat.

## COTTON AND CORN BETTER THAN FOR YEARS.

*Monroe, La.*—The cotton and corn crops of this section are better than they have been for years, and our business men anticipate a largely increased trade as compared with last year.

W. H. GAYLE, Monroe Bulletin.

## NO POSSIBILITY OF A FAILURE.

*Farmerville, La.*—Corn crops the best in 20 years, and advanced beyond the possibility of a failure. The cotton crop is fine and bids fair to be the best crop since the war. The manufacturing interest—that is, repairing cotton gins and corn mills, commenced at least a month earlier than usual.

W. P. CHANDLER.

## VERY PROMISING BUSINESS PROSPECTS.

*Gibbsland, La.*—Crops of cotton, corn, peas and potatoes from 25 to 30 per cent. or more better than last year. Business prospect very promising. Fruit and melon crop abundant. W. P. Kimball drilling by machinery to ascertain depth of iron; 52 per cent. pure iron. Company has subscribed stock of \$15,000 for foundry; will have a \$100,000 plant.

THOS. J. MANGHAM, Editor New Era.

## Texas.

## SURPASSING ANYTHING KNOWN FOR YEARS.

*San Antonio, Texas.*—The crops of this section surpass anything known for many years. Seasons have been good and the crop of corn and cotton is abundant. The outlook for a speedy revival in the business of this section of the State is decidedly good, and anticipations for the future very bright.

ELIAS EDMONDS.

## GOOD PROSPECTS FOR GENERAL IMPROVEMENT.

*Austin, Texas.*—The prospects for corn and cotton crops in this section are good. A good corn crop is assured, and with rain in a week from now or longer even, a first-class cotton crop will be made. The prospects for general improvement in trade are very good. A very good cotton crop will be made without more rain.

WM. P. GAINES, Ed. Statesman.

## DOUBLY AS BRIGHT AS LAST YEAR.

*Marshall, Texas.*—Outlook for corn crop was never better in this county; already made 50 per cent. over last year. Cotton in fine condition; 10 per cent increase of acreage, and present prospective yield 25 per cent. over last year. Activity in trade, manufactures and new industries already begun on prospect of good crops and confidence of farmers being able to meet all demands. Outlook for business by condition of crops brighter by nearly double over last year.

T. P. HAWLEY, Ed. Herald.

## GOOD LAST YEAR, BUT BETTER THIS.

*Clarksville, Texas.*—Corn, wheat, oats and millet crops are made and are bountiful. At the present the prospect indicates a large cotton crop. Cotton, however, is an uncertain crop, and may not realize the present prospect. Can hardly fail, however, to make a full average crop. Our crops were fairly good last year, but this year better.

CHARLES DE MORSE, Standard.

## COTTON CROPS IN TEXAS.

*Fort Worth, Texas.*—Corn and small grain better than ever before. Cotton fairly good, with some little time to determine the yield. Likely to be very much better than usual.

P. H. HALL.

## BEST THAT TEXAS EVER HAD.

*Houston, Texas.*—It is a foregone conclusion that the crops, both of cotton and cereals, are the best that Texas has ever had. The outlook was never better in the history of the State, and everything points to an era of most desired prosperity.

J. L. WATSON, Post.

## BUSINESS OUTLOOK GOOD IN TEXAS.

*Galveston, Texas.*—Corn and small grain have yielded most bountifully in Texas this year. The drouth of the past ten days has cut the cotton crop somewhat, but the prospects for a moderate crop are assuring. With rain within the next week a very large yield is certain. Business outlook very good.

R. G. LOWE, Editor News.

## DALLAS ON A BIG BOOM.

*Dallas, Texas.*—Wheat and oats harvested and threshed, and the yield is enormous; corn, the best ever known; cotton fine and being picked. Business outlook good; far better prospect than for 10 years past. The city of Dallas on a big boom. The Gould lines have decided to make headquarters for Southwest here, and have concluded contract for offices and buildings.

W. L. HALL, Manager Herald.

## PROMISING PROSPECTS.

*San Marcos, Texas.*—The outlook here was hardly ever better. The corn crop is very heavy, and the prospect for cotton very good. With another rain it is thought it will reach that of 1882, when two bales per acre was common. The prospect is also good here for a profitable improvement in trade and manufactures.

J. A. JULIAN, Ed. Free Press.

## Arkansas.

## BIGGEST CROPS MADE AT LOWEST PRICES.

*Pine Bluff, Ark.*—In regard to the business outlook for the approaching season and the condition of the present crops of cotton, corn, &c., the indications, based upon agricultural prospects, are that there should be a marked improvement in business circles over the past two or three seasons. To particularize, the corn crop is already made and is more than ordinarily large, and will be more than sufficient for home consumption. The cotton crop is in an excellent condition at this date; there are local complaints about the want of rain, but as yet no material damage has been done. If no intervening disaster overtakes the crop, there will be the heaviest yield ever known in this section of the country. The present crop has been made 33 1/2 per cent. cheaper than heretofore, and if the planters obtain a reasonable price for their cotton they will be left in a healthy condition.

W. W. TAGGART.

## MORE ACTIVE START THAN FOR YEARS.

*Rector, Ark.*—From all reports that I deem creditable, the outlook for corn crop is that more will be made this year than has been made in years, the acreage being greatly increased and crop better cultivated. Cotton late; not so great an acreage as last year, but prospects indicate a yield equal to that of last year. Oats, a very fair crop. Wheat, short crop but well matured and heavy; grain with heads better filled. Clover, an abundant yield. Hay, finer grasses than for years. Manufacturing, some improvement. Lumbering, very active. Business in general is taking a more active start than for years. From present indications all trades will realize an increase of 20% over the business done last year. C. A. ROBERTSON.

## BETTER THAN FOR SEVERAL YEARS.

*Oseola, Ark.*—Crops in this section of the country are better than they have been for several years. Judging from the prospects of the crop now, business will be better this fall than for several years back.

G. A. BALICK.

## Tennessee.

## IMPROVING AND MORE HOPEFUL.

*Sweetwater, Tenn.*—The outlook for business is improving and people are more hopeful. The corn crop is the finest in many years. Potatoes, vegetables, fruits and berries are all very plentiful. There is an improvement over last fall's business prospects.

J. S. YEARWOOD.

## BEST CROPS EVER KNOWN IN TENNESSEE.

*Knoxville, Tenn.*—No such general average for fall-maturing crops has ever been known in Tennessee. Counting 100 as maximum for past 14 years, this year rates as follows: Corn, 116; oats, 112; clover, 110; peas, 105; peaches, 119; apples, 102; dried blackberries, 140; Irish potatoes, 104; fall pasturage, 120.—Editor Tribune.

## BETTER FEELING PREVAILS.

*Pulaski, Tenn.*—Corn promises an abundant yield, except that late planting is cut a little short by dry weather, leaving, however, more than big average crop. Cotton is even better than corn. All other crops are good. The outlook for business is better than last year. Country merchants report better trade this summer than last. Better feeling prevails for business resuscitation, but not much speculation yet in manufacturing ventures.

LAPS, D. McCORD, Editor Citizen.

## BUSINESS OUTLOOK PROMISING.

*Columbia, Tenn.*—For Maury county condition of crops is about as follows: Oats, full crop; corn, provided the present need of rain is obviated during this week, will be over a full crop; cotton, prospect good, but needs rain; hay all saved and yield about an average; other crops good. A dry spell of two weeks intense heat has done much damage to corn and pastures. Business outlook, compared with crops of last year, is promising. Mules are in some demand and a good market is anticipated. Cattle dull and low; money scarce.—Editor Columbia Herald.

## FALL BUSINESS WILL BE GOOD.

*Bristol, Tenn.*—The outlook for corn in this section is very fine. The fruit crop is the largest for years. Oats better than for 10 years past. We raise no cotton. Tobacco is looking well, though the crop was planted late. Business has been very dull, and continues so. Indications point to a big local boom, caused by the flattering prospects of the speedy building of the South Atlantic & Ohio Railroad from this point to Big Stone Gap, Va. Dr. Jno. M. Bailey, representing a syndicate of Boston capitalists, has taken hold of the enterprise and will go to work in short time it is thought. Our two towns will take \$25,000 worth of stock each. Goodson voted unanimously for it last Thursday, and Bristol will vote on it to-morrow, which will also be unanimous. Fall trade will be good.

A. C. SMITH, Editor News.

## ALMOST UNPRECEDENTED YIELDS.

*Memphis, Tenn.*—Cotton and grain crops throughout the valley give promise of yields almost unprecedented, assuring a year of great commercial activity. Frugal habits enforced by indifferent crops and stringent money markets in the past two years have placed planters throughout this district in condition to derive substantial benefits from the fruits of this labor, since their indebtedness is less than usual, crops having been made with the least possible outlay. In the manufacturing way, Memphis is advancing rapidly, and with very few exceptions her investments in this line are highly successful. The trade outlook is very promising; much more so than last year or in 1883. A heavy fall business may be safely predicted.

O. P. BARD, Avalanche.

## LARGEST CROPS EVER RAISED.

*Chattanooga, Tenn.*—From my knowledge of the Southern crops, I do not believe that the Southern States ever grew as large crops as they now show. What will happen in the future we can't tell, but if nothing occurs to arrest the crops, business will materially revive in all lines of trade. We feel it already in many ways.

S. B. LOWE.

## HOPEFUL OF GREAT IMPROVEMENT.

*Johnson City, Tenn.*—The prospect for corn in this section is better than for years. The prospect for fruit—peaches and apples—could hardly be better. We had no peaches last year. No cotton in East Tennessee. The outlook for business is better than this time last year, and our people are hopeful of great improvement in trade and better times.—The Comet.

## AN IMPROVEMENT IN BUSINESS.

*McMinnville, Tenn.*—No cotton raised in this section. Largest corn crop ever planted—very promising. Apple crop short one-half. Fine peach crop. This section will put a good lot of live stock on the market. There is already a perceptible improvement in business generally, and prospect bright for a big revival of trade in the fall. Our manufacturers generally are busy, and there is a growing confidence in the future. The outlook in comparison with last year, I think, shows considerable improvement.

R. M. REAMS, Ed. Standard.

## GOOD CROPS BUT MONEY SCARCE.

*Gallatin, Tenn.*—If good crops (with single exception of wheat) ever does make improved times, Tennessee ought to have a revival of business. And yet we have the most distressing times, and money is scarcer than it has been for forty years, and all trades are languishing. The only exception is about Chattanooga, where matters are moving up. We hope to have several new railways within the next year, and they will contribute to an improvement in our mining and iron developments.

J. BOYER & Co., Examiner.

## BETTER PROSPECTS FOR BUSINESS.

*Memphis, Tenn.*—All crops much better than last year, and prospect for business 25 per cent. better. HILL, FONTAINE & Co.

[CONTINUED ON PAGE 46.]



# CONSTRUCTION DEPARTMENT.

**WE PUBLISH, every week, a list of every new factory, of whatever kind, projected anywhere in the South; every railroad undertaken, and every mining company organized. This information is always fresh, and, by enabling manufacturers to correspond with the projectors of such enterprises before their supplies of machinery have been purchased, is of great value. Manufacturers will find it to their interest to read this department carefully each week.**

## ALABAMA.

It is proposed by English capitalists to form the Talladega Iron Co. at Talladega, Ala., to purchase mines containing 2,000 acres and erect two blast furnaces, the capital stock to be \$250,000. Geo. W. Chambers, of Talladega, is now in Europe working up the scheme.

A bucket and barrel factory is talked of at Talladega, Ala.

Charles Wheelock is preparing plans for a three story building, 50x100 feet, for B. F. Roden, Birmingham, Ala.

The Sheffield Iron Works, Sheffield, Ala., will establish a foundry and machine shop and desire to purchase machinery.

The rumor of a cotton seed oil mill being started in Calera, Ala., is reported to a mistake.

H. Maassen, Birmingham, Ala., has established a planing mill.

The Dauphin Island Improvement Co., of Mobile, Ala., owning Dauphin Island, near Mobile, are reported as intending to build a 28-mile railroad to the island, build docks, &c., for the purpose of making it a deep-water shipping point.

John Thomas Porter and others, Montgomery, Ala., will erect a 200,000 bushel grain elevator immediately.

The contract for building a jail at Athens, Ala., has been awarded to W. H. Sykes at \$6,500.

French Nabors, Montgomery, Ala., is erecting a cotton gin.

## ARKANSAS.

Edward Sweet, Arkansas City, Ark., has completed his new planing mill and will add a ginnery and grist mill.

J. B. Speers & Co., Pine Bluff, Ark., will erect a cotton warehouse.

## FLORIDA.

It is reported that the Florida Southern Railroad Co., (Sherman Conant, Palatka, general manager,) contemplate spending \$40,000 or \$50,000 in doubling the capacity of their machine shops at Palatka, Fla.

Mr. Blakely has purchased the frame work and machinery of the large mill started by Johnson & Co., at Garden City, Fla., and will complete and put it in operation. A company has been formed to erect a large hotel at the same place.

Work has commenced on the City & Suburban Street Railway, Jacksonville, Fla.

The Florida Southern Railroad Co., (S. Conant, Palatka, Fla., manager,) is negotiating for land in Eastis, Fla., on which to erect a depot, car shops, &c., for a branch road.

The Apalachicola Lumber Co., capital stock \$500,000, has been organized to engage in lumbering operations, saw milling, &c., in Florida by B. F. Howland, Alex. B. Hill, Geo. A. Deleree, Jno. R. T. Brown and Fred. Balcome. Fred. Balcome, 234 Broadway, New York, can give particulars.

## GEORGIA.

Bids are invited for 60 days for the erection of a court-house in Lexington, Ga.

A saw and grist mill has lately been erected at Chastain, Ga.

P. E. McDaniel, Reynolds, Ga., will build a steam ginnery.

The Central Railroad of Georgia, of which W. G. Raoul, Savannah, is president, is reported as contemplating the laying out of a city near Augusta, Ga., and the erection there of machine shops, &c. Nothing definite is as yet known.

A wind mill will be erected at Dalton, Ga., and water-works established on a small scale. Sam. Maddox can give information.

D. W. Brown is erecting a large gin house at Haddock, Ga.

J. S. Lamar, Atlanta, Ga., has invented a plow, and contemplates manufacturing implements covered by his patents.

Athens, Ga., will probably build a \$25,000 city hall.

The Gum Log Mining Co., of Chattanooga, Tenn., previously reported, have erected a stamp mill at their mine in Georgia, and contemplate the erection of another mill in the future, if the results from the one now at work are satisfactory.

Efforts are to be made to extend the Columbus & Rome Railroad (office Columbus, Ga.) from Greenville to Newnan, Ga. A survey is to be made of the route.

The Muscogee Oil Co., Columbus, Ga., will double the capacity of their cotton seed oil mill this summer; capacity now 20 tons.

A grist mill is being built at Douglasville, Ga.

There is talk of building a railroad from Tryon Factory to Cathey's Gap, Ga.

Burch & Martin, Elberton, Ga., are building a ginnery, and will also put up a grist mill.

J. E. & S. S. Brewer, Elberton, Ga., will put up a ginnery.

The Quitman Mills, Quitman, Ga., have been sold to C. Groover & Co., of that city, for \$7,000.

Americus, Ga., will decide by vote whether or not to have works to cost \$25,000.

The machinery of the Columbus, Ga., Bagging Mills has been repaired.

Fay & Eichburg, Atlanta, Ga., have prepared plans for a new court-house, to be built at Savannah, Ga., to cost about \$50,000.

Improvements are being made at the guano factory, Girard, Ga. The power will be increased.

J. S. Jones & Bro. have commenced work on their hotel at Camilla, Ga.

Plans have been prepared for a \$15,000 depot at Thomasville, Ga.

The Georgia Terminal Warehouse and Railroad Co. has been incorporated in Georgia, by Evan P. Howell, of Atlanta, Patrick Walsh of Augusta, C. H. Phinizy, B. S. Dunbar, T. B. Branch, Jno. D. Cunningham, John T. Newberry, George T. Barns, F. R. Scott and others.

Bills have been introduced in the Georgia legislature to incorporate the Monticello & Eatonton Railroad Co., the Thomasville & Augusta Railway Co., the Newnan & Western Railroad Co., the Newnan & Greenville Railroad Co., the Columbus & Florida Railroad Co., the Monticello, Eudora & Social Circle Railroad, the Baltimore Place & Peters' Park Street Railway Co., and the Waco & Bowden Railroad Co.

It is reported that a company of Massachusetts gentlemen contemplate establishing a furniture manufactory at Leliaton, Coffee county, Ga.

## KENTUCKY.

The Pictet Artificial Ice Co., limited, Louisville, Ky., will sell their ice factory and devote their attention to manufacturing ice machinery.

Wood & Wilson, Greenup, Ky., are erecting a spoke factory.

The Bellevue & Dayton Light Co., capital stock \$20,000, has been organized by Samuel A. McCune, Spencer C. Reeves and Michael M. Sweetman, to furnish light to Bellevue and Dayton, Ky.

J. K. Stone, Newport, Ky., will erect a brick planing mill.

H. H. Hobson will erect a large tobacco warehouse in Mayfield, Ky.; has purchased a lot 132x165 feet.

The City Railway Co., Louisville, Ky., will probably extend their lines.

Thomas Cary, Wm. Thomas and D. M. Yeomans, a committee sent over by an English syndicate to investigate the canal coal lands near Cloverport, previously mentioned as likely to be developed, report that they will probably return from England in the fall and engage in very extensive mining operations near Cloverport, Wm. Johnston, Louisville, Ky., can probably give particulars.

B. Baer, Owensboro, Ky., previously reported as intending to establish an ice factory is negotiating for the machinery.

It is reported that the machine shops of the Owensboro & Nashville Railroad (office Owensboro, Ky.) will be removed to Russellville, Ky.

## LOUISIANA.

F. P. Martinez, J. Frisconi, A. A. Martinez, A. D. Saucier, W. J. Martinez and E. M. Martinez have incorporated in New Orleans, La., the Martinez Engine Oil Works, capital stock \$50,000, to manufacture and sell lubricating oils.

Charles E. Black, of Covington, La.; G. E. Pitcher, James M. Thompson, Adam Thomson, J. Cahier, J. E. Smith and others will incorporate in Louisiana the St. Tammany, Lake Shore & New Orleans Railroad Co., to build a road from Covington to New Orleans, La. Capital stock will be \$500,000.

Bids are invited by the Board of Management for an electrical railway on the Exposition grounds, New Orleans, La.

A company has been formed in New Orleans, La., to purchase the Crescent City Sugar Refinery and convert it into a large brewery and ice factory. F. W. Wolf, of Chicago, Ill., is in New Orleans with plans for the proposed change.

The Siege of Paris Co. have received permit to erect an iron building corner of Canal and Burgundy streets, New Orleans, La.

The Supreme Council of S. R. F. Masons, of Louisiana, will erect a \$15,000 house in New Orleans.

A railroad is to be built from Minden, La., to tap the Vicksburg, Shreveport & Pacific Railroad. Superintendent of the V. S. & P. road, Monroe, La., can give particulars.

The Union Oil Mill, (cotton seed,) Gretna, La., is being overhauled and the old machinery replaced by new.

Jennings, La., is to have a fruit canning factory.

## MARYLAND.

Ralsten & Walden have built at Marriottsville, Md., a saw mill for cutting soapstone and preparing it for the market.

The Southern & Western Improvement Co., of Baltimore, Md., has been incorporated by Fielder C. Slingluff, Robert W. Scarlett, Wm. Ferguson, Albert A. Hasson and Wm. J. Adams, all of Baltimore, to conduct a general mining, milling and real estate business. Capital stock \$200,000.

The Maryland Hedge & Vine Fence Co., of Frederick county, Md., has been incorporated at Frederick, Md., by Ira Taylor, D. C. Winebrenner, J. D. Baker, George L. Kramer, A. R. Graham, W. O. Denegree and others to plant and cultivate hedge fences. Capital stock \$100,000.

Mentzell & Sons, of Baltimore, are preparing to put new machinery into their paper mill.

Mount St. Joseph's College, near Baltimore, will erect an additional brick building 4 stories high, 28x125 feet.

The Johns Hopkins University, Baltimore, Md., will erect a large building, corner of Monument and Garden streets, 71x117 feet.

The Duffy Malt Whiskey Co., of Baltimore, will establish extensive bottling works, in which it is claimed that they will invest about \$200,000. Considerable machinery will be put in. Later on it is possible the company will establish glass works to manufacture bottles.

## MISSISSIPPI.

Mann & Pugh, of Yazoo City, Miss., have erected at Anding Station, Miss., a cotton gin and grist mill.

The canning factory at Handsborough, Miss., has been completed and will probably employ about 100 hands.

Works has commenced on the cotton compress at Grenada, Miss., previously reported as to be built by Mr. Wilder and others.

## NORTH CAROLINA.

The contract for the erection of a court-house at Monroe, N. C., has been awarded to Henry Behring for \$19,500.

Thomas Moore is building a new mill at Snow Hill, N. C.

B. F. Hanes, Winston, N. C., will erect a five-story brick tobacco factory, 53x147 feet, and put in latest machinery. Contract for building awarded.

H. C. Parrot, Kinston, N. C., is building a saw mill on the Neuse river.

It is reported that a fruit canning factory will be established at Graham, N. C.

Hankins & Son, Salisbury, N. C., will erect a tobacco warehouse, sides and roof to be of iron.

A. A. Spencer & Co., Hickory, N. C., are now erecting a cotton gin.

An effort is being made, with good promise of success, to establish a cotton compress in Raleigh, N. C.

W. E. Worth & Co., Wilmington, N. C., contemplate doubling the capacity of their ice factory.

The "B. F. Coggins Mine," in Montgomery county, N. C., has been sold to an English syndicate for \$30,000.

A steam laundry, it is stated, will be started at Greenville, N. C.

D. Stinson's saw mill, Newberne, N. C., is being overhauled and arrangements are being made to put in new machinery.

P. B. Fetzer, Concord, N. C., expects to establish water-works in that town on a limited scale.

## SOUTH CAROLINA.

The farmers around Bennettsville, S. C., are considering the establishment of a fertilizer factory.

Toole & Bradley are erecting a steam saw mill at Sleepy Hollow, S. C.

The machinery of the Rock Hill Cotton Factory, Rock Hill, S. C., is being overhauled and repaired.

John Oldham, Greenwood, S. C., contemplates building a cotton-seed oil mill.

There is talk of a sash and door factory being established in Greenwood, S. C.

## TENNESSEE.

Wm. Fry, Sweetwater, Tenn., is adding a planing mill to his saw mill.

The Roane Iron Manufacturing Co., Rockwood, Tenn., will erect a new coal crusher.

John Trout, Chattanooga, Tenn., has purchased ground and will erect stone works.

George L. Gillespie, Chattanooga, Tenn., has received the contract for sinking a shaft into the Lookout Mountain cave, previously reported.

Temple & Shipp, will, it is reported, shortly increase the capacity of their furniture factory at Chattanooga, Tenn.

The steam flouring mills of H. W. Shields, near Midway, Tenn., are to be changed to the roller process system.

There is talk of building a railroad from Bledsoe's and near Jamestown, Tenn., to develop coal lands in Fentress county, where A. L. Crawford, of New Castle, Pa., is reported to have expended about \$20,000 in prospecting, drilling and preparing to develop coal property.

The Clarksville Street Railway Co. has been organized at Clarksville, Tenn., by J. F. Shelton, H. H. Sharpe and others to build a street railroad.

McLemore Bros., Columbia, Tenn., have just purchased machinery for doubling their mill capacity on grits and hominy; capacity will be 250 brls. per day.

J. H. Sensibaugh, Strawberry Plains, Tenn., has recently completed his flour mill.

Jarratt & Bro., Lewisburg, Tenn., who lately purchased several thousand walnut trees in North Carolina, will cut a large number of them into lumber, but have not decided as to what machinery they will erect.

W. S. Johns, No. 8 Noel Block, Nashville, Tenn., will establish a factory for making machinery for cleaning and grading pecans and peanuts.

## LOCKWOOD, GREENE & CO.

## MILL ENGINEERS

Office, 65 Westminster St., Providence, R. I.

Carefully prepared plans, specifications and estimates furnished for the construction, equipment and organization of new mills and the revision and improvement of old.



It is stated that Conant & Co., Willimantic, Conn., contemplate establishing a thread mill in the South.

The Dyas Knitting Co., Nashville, Tenn. have lately established a hosiery factory.

R. M. Rogan & Co., Rogersville, Tenn., are building a furniture factory and planing mill.

Fulkerson, Stamps & Chestnut, Rogersville, Tenn., are opening a new marble quarry.

#### TEXAS.

The Gould railroads in Texas are to have their headquarters at Dallas, a contract having been made with R. V. Tomkins and J. E. Flanders, architect, of that city, for the erection of a building for the offices of the road. It is thought that this may also lead to the removal of the machine shop of these roads to Dallas. The offices of the general superintendent and master mechanic are now at Marshall, Texas.

The Golden Belt & Gulf Railroad Co., previously reported as organized, will have its headquarters at Wichita, Kansas. The capital stock is \$10,000,000; length of road to be 800 miles, and to pass through Nebraska, Kansas, Texas and Arkansas.

Brainard Rorison, Secretary Jenny Electric Light Co., previously reported as negotiating to establish electric light works in Corsicana, Texas, has decided to do so. Is now in Corsicana.

J. W. Smith, Captain Harrell and John Luckman are each erecting cotton gins near Manor, Texas.

The Globe Shot Co., of Philadelphia, previously reported as intending to establish a shot factory in Dallas, Texas, have purchased a building for their factory; machinery also purchased.

W. B. Ward, J. H. Bemis, C. C. Galloway, Benjamin Whitaker, W. Behan, W. L. Whitaker, M. Jacobs, P. R. Scott, W. W. Henderson, W. A. Scott, W. A. Whatley are the incorporators of the Mount Pleasant & Atlanta Railroad Co., previously reported as organized in Texas. The capital stock is \$250,000, and the road will extend from Mt. Pleasant to Atlanta, Texas.

W. H. Gaston, T. S. Marsalis, J. B. Simpson, S. D. Blake, Thomas Field, W. H. Prather and C. E. Armistead, of Dallas, Texas, are trying to form an electric light and water supply company for East Dallas, Texas.

#### VIRGINIA.

J. P. Williamson, Petersburg, Va., has commenced work on the building of his large tobacco warehouse.

The Schuyler Electric Light Co., previously reported as having contracted to establish electric light works in Richmond, Va., are now preparing to erect their plant. H. M. Linnell is in Richmond to superintend the work.

J. W. Taltaferro, Harrisonburg, Va., will establish a boot and shoe factory; has purchased machinery.

The National Granite Co., of which N. F. Garrod is president, and Edward E. Simpson secretary, have purchased granite quarries near Manchester, Va., and are preparing for very large operations, requiring the most complete quarrying machinery. Thomas O'Reilly is the local superintendent. Office of this company is reported to be in Philadelphia, but we have not been able yet to verify it.

#### WEST VIRGINIA.

Wellsburg, W. Va., will shortly decide by vote whether or not to spend \$25,000 in building water works.

Geo. Washington, Charlestown, W. Va., contemplates establishing a planing mill.

Raleigh county, W. Va., will build a new jail.

#### BURNED.

A boiler in the Lexington Ice Factory, Lexington, Ky., exploded August 14; loss about \$2,500.

The machinery of the Chattanooga Ice Factory, Chattanooga, Tenn., badly damaged by building caving in. The factory is owned by J. M. Beach, of Atlanta, Ga.

Bogle & Davis' flouring and grist mill, Winchester, Ky.; loss \$8,000.

Canning factory of S. D. Silvers & Bro., Deer Creek, Md.; loss \$6,000.

### Machinery Wanted.

GRAFTON, W. VA., August 12, 1885.

*Editor Manufacturers' Record:*

Can you direct me to some good firms that supply, or make a specialty of furnishing and establishing steam laundries? Catalogues and prices are desired. I found no advertisement of such in a copy of the "MANUFACTURERS' RECORD" which I examined.

JOHN L. HECHMER.

### Walnut Timber.

LEWISBURG, TENN., August 10, 1885.

*Editor Manufacturers' Record:*

We have bought a large amount of walnut timber in North Carolina, and will manufacture a large quantity of it into lumber. We have as yet, not determined what machinery we will buy or erect.

JARRATT & BRO.

### Contemplated Improvements.

LA GRANGE, GA., August 12, 1885.

*Editor Manufacturers' Record:*

In the matter of improvement, our company have reached no decision yet. What we desire done will cost us about \$20,000. We hope at our adjourned meeting in September, that the matter will be disposed of favorably.

JOHN L. ROBERTSON,  
President Troup Cotton Factory.

### 50 Dwellings.

WILMINGTON, N. C., Aug. 13, 1885.

*Editor Manufacturers' Record:*

I propose to erect on various streets in this city, commencing in the fall, fifty dwelling houses, containing from four to eight rooms each. During the past ten years I have built a considerable number, and find that small frame buildings pay much better than large ones as a general thing. I sell them on the installment plan, monthly payments, and have found that plan successful.

JAMES WILSON.

### Pottery Works.

TRENTON, S. C., August 13, 1885.

*Editor Manufacturers' Record:*

I have, within the past six months, put up a pottery at Miles' Mill. My post-office is Trenton. We are so far doing nothing outside of Rockingham. The quality of our ware is as fine as I ever saw.

JAS. L. JERVEY.

### Attention, Machinery Manufacturers.

SHEFFIELD,

COLBERT CO., ALA., Aug. 11, 1885.

*Editor Manufacturers' Record:*

Being about to establish foundry and machine shop at Sheffield, manufacturers will please send catalogues, &c., of tools and machinery. Save time by sending price-lists and best discounts.

SHEFFIELD IRON WORKS.

### Elevator—Water Works.

MONTGOMERY, ALA., August 14, 1885.

*Editor Manufacturers' Record:*

Mr. John Thomas Porter and associates will erect at once a grain elevator at this place with a capacity of 200,000 bushels. City Council of Montgomery wants bids to furnish the city of Montgomery with 6,000,000 gallons of pure water daily.

WATTS & ROGERS.

### A Machine Factory.

NASHVILLE, TENN., August 17, 1885.

*Editor Manufacturers' Record:*

I propose to start a factory here for the manufacture of machines for cleaning and grading pecan nuts; also peanuts.

W. S. JOHNS.

### A Fine Tobacco Factory.

SALEM, N. C., August 17, 1885.

*Editor Manufacturers' Record:*

We have contracted for and commenced work at Winston, N. C., on a tobacco manufactory for Mr. B. F. Hanes, of that city. The building will be 53 feet wide, 147 feet long over all, 5 stories high, built of brick. This will be a large and commodious factory, and Mr. Hanes will fill it with improved machinery.

FOGLE BROS.

### Improvements at Georgetown, South Carolina.

GEORGETOWN, S. C., August 4, 1885.

*Editor Manufacturers' Record:*

A company is being organized by the citizens of Georgetown for the purchase of a new iron hull steamboat, of light tonnage, to be used as a mail and passenger boat on the Waccamaw river. It is proposed to make tri-weekly trips to Bucksville, S. C., and daily trips to Brook Green, Waverly Mills and Pawley's Island. The last named is one of the most delightful seaside resorts on the Atlantic coast, but hitherto somewhat difficult of access. The surf bathing is magnificent, and the fishing excellent. The new boat will be built at Buffalo, N. Y., at a cost of \$4,200.

Mr. Louis S. Ehrich, an active and progressive citizen of Georgetown, is making efforts to organize a joint stock company for the erection of a new hotel on Pawley's Island, for the accommodation of summer visitors. The structure, as projected, will consist of the main body, 60 feet square, with two wings, each 120 feet long. There will be ninety rooms, and they will be neatly furnished. The estimated cost is \$7,000, and a number of persons have already promised to take stock in the enterprise. Negotiations are now pending for the purchase of a site for the hotel.

The attractions of Pawley's Island, as a summer resort, are already well known to the people living in the northeastern counties of South Carolina. The air is deliciously mild and pure; the sea beach is magnificent in its size and smoothness; the waters furnish an inexhaustible supply of fish and oysters; the forests on the mainland, a half mile distant, abound in deer, wild turkey and other game, and, above all, there are no mosquitoes to annoy the summer idler—a pest so frequently found on the coast in the Southern States.

### Will Steel Works Be Built?

DAYTON, TENN., August 15, 1885.

*Editor Manufacturers' Record:*

We are not building steel plant and have not made any contracts for any at present.

DAYTON COAL & IRON CO., LIMITED.

### An Ice Factory.

OWENSBORO, KY., August 15, 1885.

*Editor Manufacturers' Record:*

I will build an ice factory this winter in time for next summer. I am at present trying to make proper arrangements for machinery.

B. BAER.

### A Cotton Gin.

HICKORY, N. C., August 15, 1885.

*Editor Manufacturers' Record:*

A. A. Spencer & Co. are erecting a new cotton gin in this place and will put in new machinery.

A. A. SHUFORD.

### May Build a Cotton-Seed Oil Mill.

GREENWOOD, S. C., August 15, 1885.

*Editor Manufacturers' Record:*

Mr. John Oldham speaks of starting a cotton-seed oil mill in this place next year, 1886.

ROBERT TOLBERT.

### Will Rebuild a Mill.

BREWTON, ALA., August 13, 1885.

*Editor Manufacturers' Record:*

We will rebuild our mill, and we will make some improvements on it.

HAROLD BROS. & SCOTT.

### A Spoke Factory.

GREENUP, KY., August 17, 1885.

*Editor Manufacturers' Record:*

We are putting up machinery to saw second growth spokes, (hickory and white oak.)

WOOD & WILSON.

### A Custom Mill.

MCALISTERS' X ROADS, TENN., Aug. 11, 1885.

*Editor Manufacturers' Record:*

We have completed our saw mill, and will this fall begin and continue the work on what we term a good custom mill for grinding corn and wheat. Run by water, 4 miles from this office.

ROGERS & BATSON.

ON page 40 of this issue it is stated that the Agricultural Departments of South Carolina and Georgia estimate an increase of fully 4,000,000 bushels in the yield of corn in each of these States, as compared with 1884. The estimated increase in Georgia should be 9,000,000 bushels—the 4,000,000 bushels being the estimated increase over 1882, when the crop was 36,000,000 bushels, while in 1884 it was 31,000,000 bushels. The estimate of the possible yield in the whole South, based on the percentage of increase in Georgia and South Carolina, is largely increased by this correction.

*Later.*—Just as we go to press the following telegram is received from the United States Commissioner of Agriculture:

WASHINGTON, August 19, 1885.

*Editor Manufacturers' Record:*

The statistician makes the probable increase of corn in 14 Southern States about 50,000,000 bushels, or 14 per cent.

NORMAN J. COLMAN.

### The Big Calera Development Company.

CALERA, ALA., Aug. 4, 1885.

*Editor Manufacturers' Record:*

As I have seen nothing in your columns recently of this live little manufacturing town of about 1,000 inhabitants, situated in a lovely valley surrounded by beautiful green hills, with cool refreshing breezes and gentle showers during all this heated term, I write to say that we have here at the crossing of the two most important trunk lines of railroads in the South—the Louisville & Nashville and East Tennessee, Virginia & Georgia Railroads, the best location for a manufacturing city in the South. We are in the midst of the coal and iron region, and in the very heart of the finest limestone, as evidenced by this being the headquarters of the Southern Lime Association, with several kilns, whose united capacity is several thousand barrels of the finest lime per week. This lime commands the highest price in the market. The association has more orders than it can fill. While our town is yet in its infancy, and has been overshadowed heretofore by the wonderful growth of the magic Southern city, Birmingham, for want of capital, yet our location and advantages are in every way equal if not superior to those of Birmingham. And now at last we are touched by the magic wand of capital,—not from the North or West but our own home capital. Alabamians have determined to develop their own resources, and while still anxious to see others come in and share the grand possibilities of our great State, they will not wait for same. Messrs. Moses, Adams and others, of Montgomery, Ala., the liveliest town in the South, have recently organized the Calera Improvement Co., with capital stock of \$500,000, and have purchased of Mr. I. D. Hardy the property formerly belonging to the old Shelby Lime Co., now known as Calera, and in addition several thousand acres of mineral and timber lands; and as the company has ample capital, they will proceed at once to build up a live manufacturing city at this point. We already have two iron foundries overrun with orders, several stores, grist and saw mills in abundance there is plenty of fine pine timber near us on the railroads, as well as every variety of valuable hard wood timbers, planing machines, barrel and stove factories, two fine hotels, several boarding houses, and purest of lime, freestone and mineral waters. As to health, the very air we breathe at all times is filled with ozone and the fragrance of the ever-living pine; sickness is almost unknown.

G. L. G.



[CONTINUED FROM PAGE 43.]

## GREAT INCREASE IN BUSINESS ASSURED.

**Brownsville, Tenn.**—The prospect for large crops was never better. Undoubtedly the fall business in every line will show a great increase. There is a safer feeling financially. Compared with last year, the outlook is decidedly more encouraging.—Editor Democrat.

## FINE CROP PROSPECTS.

**Cleveland, Tenn.**—The outlook for a large corn crop in this section is the best for a number of years. Cotton also promises a better yield than usual. Business men look for some improvement in trade during the fall months. If the same prices realized last year are paid this year for corn and cotton and meat, business will surely begin to revive. Crop prospects are at least 50 per cent. better than same time last year. B.

## EXCEEDINGLY BRIGHT BUSINESS OUTLOOK.

**Clarksville, Tenn.**—There is a large acreage of corn and tobacco in the ten counties of Tennessee and Kentucky contiguous to this city. The former has been somewhat affected by drouth, but there will be an abundant yield of both. The business outlook for Clarksville is exceedingly bright; better than ever before. This is principally on account of the building of a narrow-gauge railroad from here into Southern Kentucky. Several new buildings are going up, and a street car company has applied for a charter.

R. H. YANCEY, Editor Chronicle.

## IMPROVED FINANCIAL CONDITION OF FARMERS.

**Nashville, Tenn.**—We probably will have the largest corn crop ever harvested in the State. Cotton much above the average; will make a full crop, though acreage has been reduced. Agricultural classes are in better financial condition than for 20 years; they are buying for cash, consequently not buying as much as they did under the credit system; this makes trade light, but safe. We look for a fairly good trade on this plan in fall.—Spirit of the Farm.

## PROBABLY BETTER THAN LAST YEAR.

**Fayetteville, Tenn.**—Corn is very promising. Cotton prospects fair. Trade outlook probably better than at this time last year.—Express.

## West Virginia.

## NO SPECIAL IMPROVEMENT ANTICIPATED.

**Grafton, W. Va.**—Corn promises very well in this section. The crop will be larger than any for many years past. The drouth in the early part of the summer rendered grass short and greatly injured oats. Feed will be scarce and high this winter. There is general complaint of "hard times." We have no special promise of an improvement. With us all depends (now, at least) upon the general prosperity of the country at large.—Editor Eagle.

## FINANCIAL AND TRADE OUTLOOK GOOD.

**Leasburg, W. Va.**—The crop prospect in the Greenbrier Valley the present season is good. The wheat crop was not an average one, but the quality was excellent. The corn crop promises a larger yield than usual, and the oat crop is better than for years past; grass luxuriant. The future business outlook is much better than it was at this date last year. The outlook in a financial view is encouraging.

B. F. HARLOW, Greenbrier Independent.

## OUTLOOK NOT CHEERING.

**Charleston, W. Va.**—In this county the yield of wheat is about a third; the prospect for corn, a half crop; hay crop about a fourth. Business outlook not cheerful.—Editor Free Press.

## TWENTY-FIVE PER CENT. BETTER THAN LAST YEAR.

**West Union, W. Va.**—The outlook for corn is excellent; much better, indeed, this year than any other during the last decade. Hay crop is perhaps one-third short as compared

with average crop. In the aggregate, however, our crops this year will prove at least 25 per cent. better than last year. The relative increase in general business will be about the same.

H. C. BRANNEN.

## Kentucky.

## MANUFACTURES DOING WELL.

**Owensboro, Ky.**—Splendid prospect for both corn and tobacco, but rain is badly needed in certain sections of the county. Merchants are hopeful for a fine fall trade, and we think will get it if the drought does not do more damage than is anticipated now. Manufactories appear to be doing better here than any other class of business.

BRANSFORD & WOODSON.

## BEST CORN CROP EVER KNOWN.

**Paducah, Ky.**—The corn crop in this section will be the best ever known. Tobacco is looking fine. Farmers are jubilant over the prospects. Business outlook for present season very good. There is more building going on in this city to-day than was ever before known, which certainly indicates good times.

BALLARD & THOMPSON.

## A GENUINE BOOM IN BUSINESS.

**Hopkinsville, Ky.**—The outlook for corn in this section was never better, and, with favorable seasons during the next few weeks, the crop will be immense. The tobacco crop is a very large one and more than an average crop. It is looking well, and bids fair to make a heavy yield with a few more good rains. The oat crop was a very large and fine one, and hay is plentiful everywhere. The general outlook for business was never better in this city. Ten fine brick business houses are now in process of erection, some of them three stories high; several others have just been completed. A new railroad is being surveyed, and Hopkinsville is enjoying a genuine boom in business. Several new firms will go into business September 1.

C. M. MEACHAM, Ed. South Kentuckian.

## PROSPECT OF A BIG BOOM.

**Newport, Ky.**—The corn, oats, potatoes and fruit crops in this section, full crops. There is a better feeling generally, and business, though not quite as good as at this time last year, is now picking up considerably, with a prospect of a big general boom here within a short while.

GEO. M. DITTOE.

## EVERYTHING PROMISING.

**Winchester, Ky.**—Outlook for corn in Kentucky, with the exception of a few localities, was never better. Immense oat crop raised and threshed. No cotton raised in the Blue Grass region. Should think that prospects were much better than a year ago. Financial matters better now than 18 months ago.

D. C. LISER, Democrat.

## NOT SO FAVORABLE.

**Vanceburg, Ky.**—Corn fine; oats ditto; wheat and grass less than half crop. Business outlook not flattering.—Courier.

## EVERYTHING ENCOURAGING.

**Covington, Ky.**—Oats and timothy hay, large and fine crops; prospect for corn very fine. Tobacco will be of splendid quality and very large yield. An early frost is the only thing that can hurt corn and tobacco. Melons, vegetables, potatoes, fine yield and excellent quality. No peaches, but fair apple crop. Our tobacco manufactories running full time. Our iron mills will all be running full time by middle of September. Wire nail factory has been running full time all summer; same with wire works. Glass works will start in a few days. Business outlook encouraging, but people disposed to go slow.

## BIG TRADE EXPECTED.

**Augusta, Ky.**—Corn, tobacco and wheat crops splendid in this section. Prospects are good for a big trade here this fall. Our manufactories are all expecting a good run when the fall and winter business opens.

NED S. MAXON.

## MINING NOTES.

By BRUNER & EAMES, Salisbury, N. C.

## THE STEEL MINE.

Messrs. Truman Coman & John Cramer, of Thomasville, N. C., have leased the Steel Mine, in Montgomery county, of a Baltimore company, who are the present owners. They will take the water from the 300-foot shaft, in order that capitalists may investigate the mine, and, if found as represented, a large plant of machinery will be erected. The mine has a fine record and has produced masses of native gold weighing as high as seven pounds. Besides gold, the vein carries lead, zinc, copper and sulphides of iron.

## RUSSELL MINE.

Capt. John Ramsay, C. E., of Salisbury, N. C., has been engaged at the Russell Mine, in Montgomery county, in making a survey and estimates for two miles of tramway car track which the company contemplate building. They have purchased a 60 horse-power boiler and engine, and have 30 stamps at the mine.

## NORTH STATE COPPER AND GOLD MINE.

The North State Copper and Gold Mining Co., of North Carolina, is a Baltimore organization, and own a valuable piece of property consisting of about 900 acres, on which are many quartz veins containing gold and sulphure of copper. They have erected some machinery, and in former years produced gold by the reduction of the ore on Chilian mills. At present they have a large dump of good ore on the surface, and at their meeting in High Point on the 17th, they will decide on the proper machinery to be used in taking the gold and copper out.

## BLISH &amp; MERRILL.

Capt. Blish & George Merrill, Esq., are erecting machinery at their mine in Montgomery county.

## THE PORTICE MINE.

It is reported that there are many thousands of tons of washed quartz gold ore on the surface at the Portice Mine, in Franklin county, N. C.—the result of hydraulic and sluice mining. E. W. Lyon, of Greensboro, and a Pittsburgh, Pa., company are erecting a stamp mill in order to work up this ore.

## THE CID MINE.

Mr. S. T. Muffy, late of California, has been working a 10-stamp mill for some time at the Cid Mine, in Davidson county. He is one of our enterprising miners, and has lately purchased the Redding Mine, adjoining the now famous Hoover Hill Gold Mines. Mr. M. is interested with Northern capitalists and will operate on a large scale.

## HOOVER HILL MINE.

Hoover Hill Gold Mine has been working their 20-stamp mill day and night for over two years. They produce about \$6,000 per month at an expense of about \$1,200.

## CHRISTIAN MINE.

Chas. Armstrong, of Mount Gilliad, Montgomery county, is working on a 2-foot vein at the Christian Mine. He will erect mills if his investigations prove satisfactory.

Many of the mines in the South are idle at present for the want of a proper mode of treatment of the refractory ores, of which this State has such a vast amount. A movement has been on foot for some time to erect at some central location a metallurgical works for the purchase and treatment of such ores as Silver Valley, Silver Hill, Conrad Hill, Gold Hill, Rudisil, St. Catherine and Rich Knob produce. In many instances the above-named mines have shipped their ores North at an immense expense for freight and reduction. Until such a works is put into operation in this country the product of the mines will continue small. On the other hand, it will be a new epoch in Southern mining when it is done, and will give us an equal footing with the Western States, where they are fully equipped for the working of all classes of ore.

## Mining Operations in Georgia and North Carolina.

HIGHLANDS, N. C., Aug. 15, 1885.

Editor Manufacturers' Record:

For some time past a company has been putting up works, buildings, and clearing out the creek for a distance of three miles, for the purpose of working the Fairfield gold mine in Jackson county. The company are satisfied that they have found two rich leads, and as things were in readiness for operation, they for a few hours last Saturday tried their luck on surface gold and obtained 28 pennyweights, which was said to be highly satisfactory. There is a place in the same county about 10 miles south of the Fairfield mine, at Whitesides mountain, known as the Zach. Green place, where, an old gentleman here says, they used to try their hands at surface mining with an old rocker that caught only the coarser particles, letting all the fine, minute particles escape, and that they never took out less than a pennyweight a day to the hand. They worked this up to so near the head of the little stream that they were forced to desist from their operations for lack of water, yet by cutting a canal three-quarters of a mile long an ample supply of water could have been obtained. Work was also begun in a mica mine in Jackson county last week, with fair prospects of obtaining a vast deal of that article of a merchantable quality. In this, Macon county, Dr. H. S. Lucas is working a corundum mine that yields handsomely, and he is also working another one in Rabun county, Ga., from which he takes daily from 8,000 to 10,000 pounds of corundum in brown and gray eryolites and a great deal in sand. The Georgia corundum mine looks like an embryonic city, as besides the works there are about 40 miners' families there, two stores, and the doctor is now about to establish a permanent school for the benefit of the miners' children. He is now busy building a bridge across Chattanooga river at the Long Bottom Ford, and so soon as that is done, about two miles up the north branch of the river he will span it with another bridge, thus lessening the distance to the railroad depot at Walhalla, S. C., and giving a much better road than the old way. Thus, while looking out for his own interest, he is also mindful of the interests of those around him, and is really a public benefactor. Though from the State of Massachusetts, no man has warmer friends in Robun county, Ga., and Macon county, N. C., than has Dr. Lucas. Generally through this section there is a feldspathic substrata, with profuse surface indications of mica, and serpentine is found almost anywhere.

J. W. WALKER.

## Still Another "Pittsburgh of the South."

BRISTOL, TENN., August 15, 1885.

Editor Manufacturers' Record:

An election was held here lately on a proposition from Dr. John M. Bailey, of Boston, Mass., to build a standard gauge railroad from this place to Big Stone Gap, in Wise county, Va. The election was on the proposition to subscribe \$50,000 (\$25,000 by Bristol and \$25,000 by Goodson) to the capital stock of the South Atlantic & Ohio Railroad Co. The vote taken, which was quite a large one, was unanimously in favor of the subscription; and Dr. Bailey, who was present, assures us that the road will be completed to Estellville, in Scott county, Va., within twelve months from this date. This road will open up the finest coal on the American continent. And the timber and iron along this line is simply enormous, but of this I will write you more fully in a future letter; but I must say that, according to the demonstration now going on in the sale of lots and other property, Bristol is destined to be the Pittsburgh of the South, and we are surely on a boom of prosperity such as we never dreamed of before.

Messrs. T. G. & R. A. McConnell, of Abingdon, Va., are now putting up a large and extensive saw mill at Union, Tenn., to utilize the large amount of white pine and poplar which they recently purchased on Holston river, and they propose cutting this timber rapidly. Dr. J. F. Hicks has recently bought 5,000 acres of white-pine land on this same river, which he will hold for a future day, but no doubt he will utilize it before a great while. Capt. Isaac DeLay, of Fort Wayne, Ind., paid me a visit a few months ago to look after real estate for some friends in Indiana, and he became so infatuated with our people, our climate, and the immense resources of our Southern country, that he concluded to stay and cast his lot and fortune with us, and has joined me in the real estate business here, and since he has been here we have enquiries from large numbers of persons in the Northwest, who will leave that cold portion of the country and remove to this genial and enervating climate.

A. A. HOBSON.



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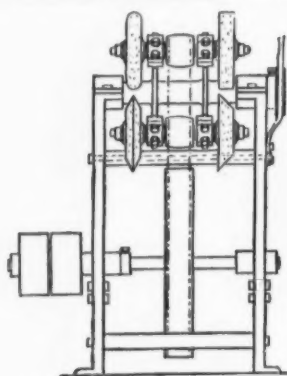


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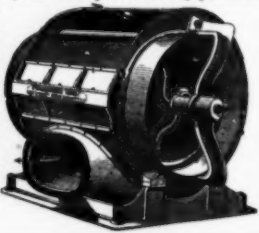
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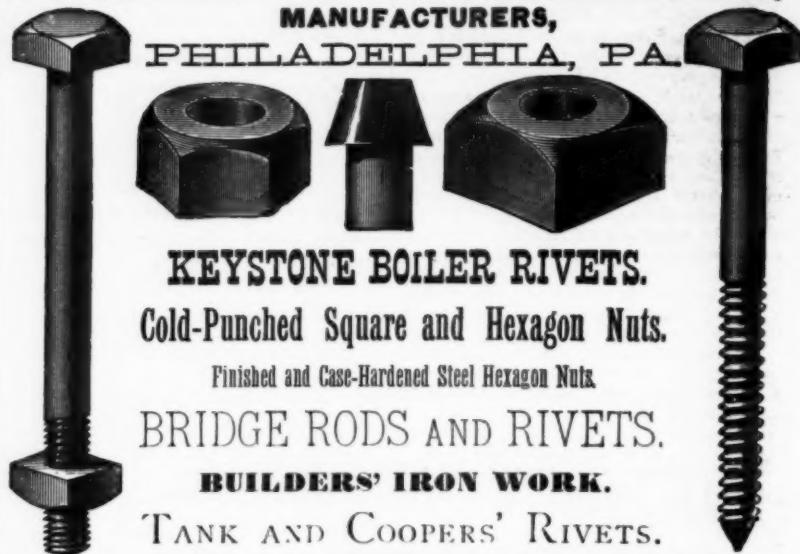
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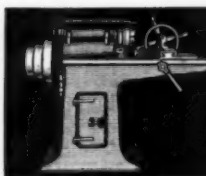
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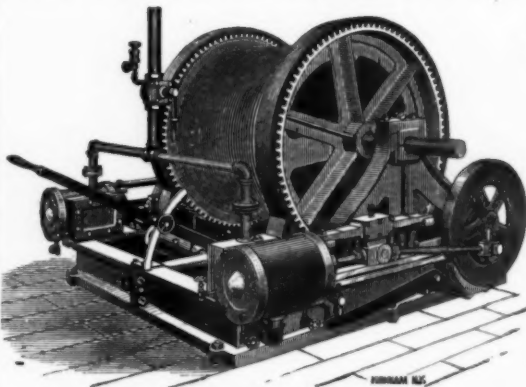
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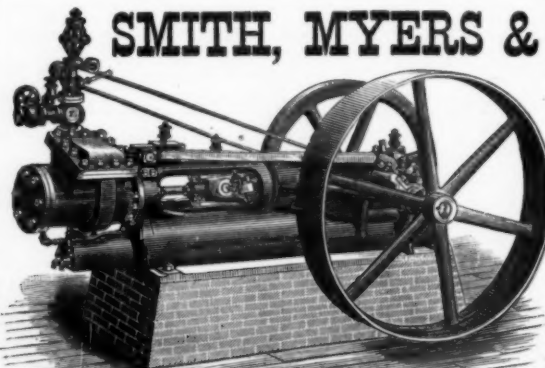
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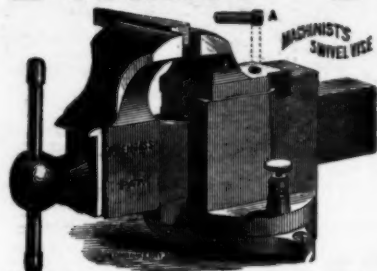
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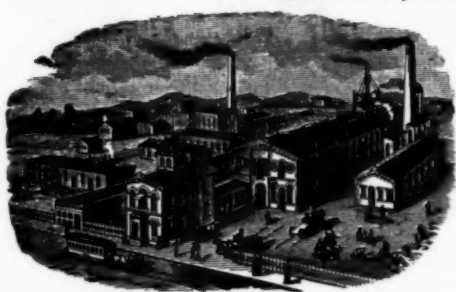
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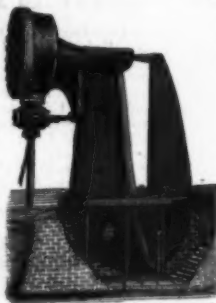
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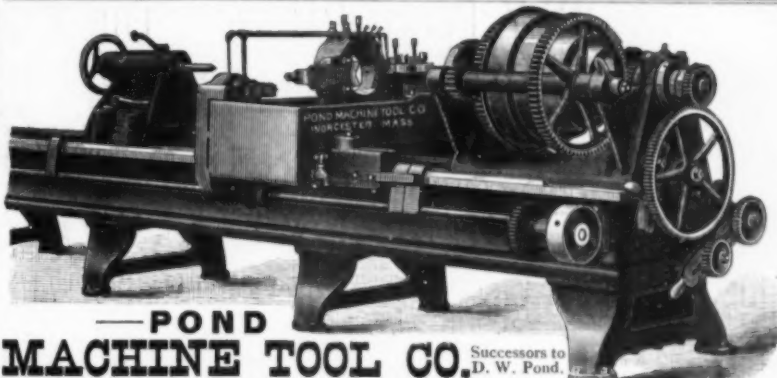
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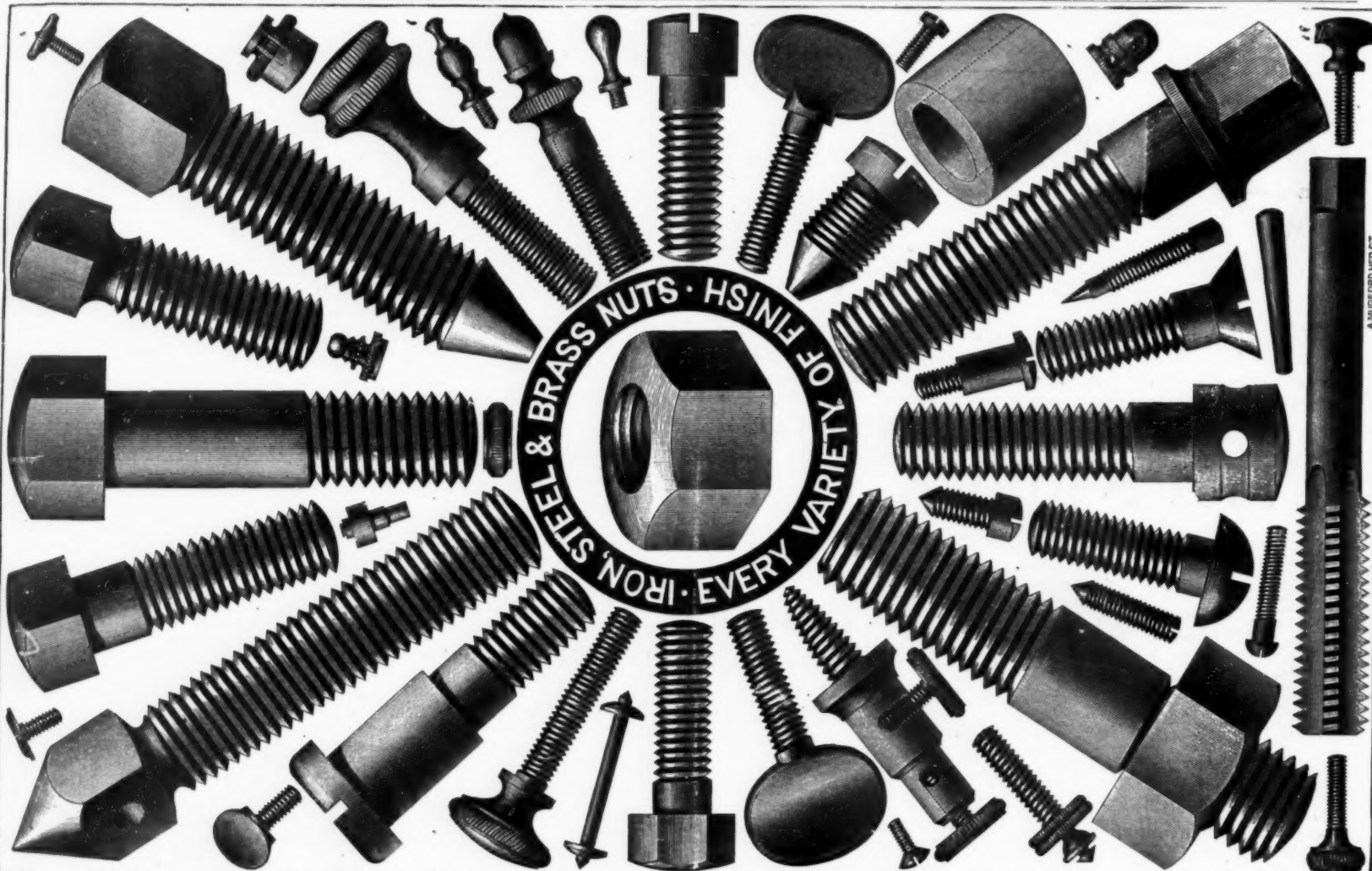
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Per 100 feet.....	dis 10 %
RIVETS.	
Iron and Tinned, new list, Dec. 10, 1881.....	dis 50 %
In bulk, new list, Dec. 10, 1881.....	dis 40 %
Copper Rivets and Butts.....	dis 50 & 10 %
Nos. 7 8 9 10 11 12 13 14 15.....	dis 40 %
Rivet Sets.....	dis 40 %
RODS.	
Stair, Brass.....	dis 25 %
Stair, Black Walnut.....	dis 25 %
RULES.	
Chapin's.....	dis 80 %
Standard.....	dis 40 & 10 %
Stanley.....	dis 40 %
Stevens & Co.....	dis 70 & 10 %
Stevens & Co. Miscellaneous.....	dis 50 %
SAD IRONS.	
Self-Heating, Charcoal.....	dis 9.00 net
Mrs. Post's Irons.....	dis 35 %
Enterprise Star Irons, new list, July 20, '82.....	dis 35 %
Comb'd Fluter and Sad Iron.....	dis 15 %
Common Sad Irons.....	dis 15 %
SAND PAPER.	
Baeder & Adamson's Flint, 000 1/2.....	dis 4.50 per m.
Baeder & Adamson's Flint, 000 3/4.....	dis 5.00 per m.
Baeder & Adamson's Flint, Assort'd.....	dis 4.75 per m.
Baeder & Adamson's Star.....	dis 3.75 per m.
Baeder & Adamson's Emery.....	dis 5.00 per m.
J. Bartle's Sand, Flint and Emery Paper.....	dis 3.00 per m.
SASH CORD.	
Common.....	dis 14 cts. net
Patent.....	dis 17 cts. net
Silver Braided Lake Hemp.....	dis 50 cts. dis 10 %
Silver Braided Lake White Cotton.....	dis 50 cts. dis 10 %
Silver Braided Lake Drab Cotton.....	dis 50 cts. dis 10 %
Silver Lake Cable Laid, Bengall Unbleached Hemp, 17 cts.....	dis 10 %
Russian Hemp, 19 cts.....	dis 10 %
Italian Hemp, 34 cts.....	dis 10 %
Samson Braided, white cotton.....	dis 50 & 10 %
Each.....	dis 55 %
SASH WEIGHTS.	
Solid Eyes, in 500-lb. lots and over.....	dis 1 1/2 cts. net
SAUSAGE STUFFERS OR FILLERS.	
Miles.....	dis 2.00, dis 25 & 10 %
Perry.....	dis 2.00, No. 15; No. 9, dis 35 %

Enterprise Mfg. Co.....	dis 25 %
Monarch.....	dis 40 %
SAWS.	
Boynston's Lightning Cross Cuts, new list.....	dis 40 %
Boynston's Circular and Mill.....	dis 40 %
Boynston's Ice.....	dis 25 %
Boynston's Lightning Hand, Panel and Rip.....	dis 25 %
Disston's Circular.....	dis 40 %
Disston's Cross Cut.....	dis 40 %
Disston's Hand, Panel, Rip, &c.....	dis 40 %
Hubbard, Bakewell & Co. Circular Saws.....	dis 40 & 10 %
Hubbard, Bakewell & Co. Cross Cut.....	dis 40 %
Hubbard, Bakewell & Co., One-Man's, X Cut.....	dis 40 & 10 %
Hubbard, Bakewell & Co., Mill Saws.....	dis 40 & 10 %
Peace Circular and Mill.....	dis 40 %
Peace Hand, Panel and Rip.....	dis 25 %
Peace Cross Cuts.....	dis 25 %
Peace Band Saws, all widths.....	dis 10 %
Webster Cross Cut, with handles.....	dis 25 & 10 %
Griffin's Hack Saws and Blades.....	dis 30 %
SAW FRAMES.	
White.....	dis 10 %
Saw Rods.....	dis 10 %
SCALES.	
Hatch, Counter, No. 171.....	dis 37 1/2 & 10 %
Hatch, Tea, No. 161.....	dis 37 1/2 & 10 %
Union Platform, Keystone.....	dis 45 %
Chicago Scale Co.....	dis 45 %
Fairbanks.....	dis 45 %
Forsyth Scale Co.....	dis 45 %
Howe's.....	dis 45 %
Chatillon's Grocers.....	dis 45 %
Chatillon's Eureka.....	dis 25 %
Family Universal.....	dis 50 %
Family Favorite.....	dis 50 %
Family Turnbull's.....	dis 50 %
Scale Beams, List of Jan. 12, 1882.....	dis 50 %
SCRAPERS.	
Adjust. Box Scraper (S. R. & L. Co.).....	dis 60, dis 20 & 10 %
Box, 1 Handle.....	dis 10 %
Box, 2 Handle.....	dis 10 %
Foot.....	dis 45 & 10 %
Ship, common.....	dis 30 %
Wilson Mfg. Co.....	dis 10 %
SCREW DRIVERS.	
Douglas Mfg. Co.....	dis 40 %
Disston's.....	dis 40 %
Cowles Mfg. Co.....	dis 50 & 10 %
Stanley Rule & Level Co.'s Var. Hds.....	dis 40 & 10 %
Stanley Rule & Level Co.'s Black Hds.....	dis 40 & 10 %
Ratchet.....	dis 33 1/2 %
Clark's Patent.....	dis 25 %
Shepardson.....	dis 25 %
SCREWS.	
Flat Head Iron, A. S. Co's list, Jan. 1, '85.....	dis 80 %
Round Head Iron.....	dis 75 & 10 %
Flat Head Brass.....	dis 25 & 10 %
Round Head Brass.....	dis 75 %
Flat Head Blue, add 1/2 % to net of invoice.....	dis 40 %
Japanned, list of Plain Screws.....	dis 75 %
Coach, Patent Gilt Point.....	dis 75 %
Coach, Common or Lag.....	dis 60 & 10 %
Bed.....	dis 55 %
Machine, Flat Head, Iron.....	dis 50 %
Machine, Round Head, Iron.....	dis 50 %
Bench, Iron.....	dis 50 & 10 %
Bench, Wood, Beach.....	dis 30, dis 10 %
Bench, Wood, Hickory.....	dis 20 & 10 %
Hand, Wood.....	dis 20 & 10 %
Hand Rail, Sargent's.....	dis 60 & 10 %
Hand Rail, Humason, Beckley & Co.'s.....	dis 40 & 10 %
Hand Rail, Am. Screw Co., list Jan. 1, '81.....	dis 70 %
Jack (Wilson's).....	dis 25 %
SCREEN FRAMES AND FIXTURES.	
Standard Window Screens No. 1, 2, 3, 4, 5.....	dis 45 %
Door.....	dis 15 %
Window Corner Irons, No. 3, 4, 5, 6.....	dis 30 %
Door.....	dis 30 %
Door Latches, 1/2 dozen, 1/3 dozen.....	dis 50 %
Porter's Patent Window and Door Screen Frames.....	dis 50 %
PER DOZ. SETS.	
In Im. Bl'k.....	dis 33 1/2 %
White.....	dis 33 1/2 %
No. 30.....	dis 33 1/2 %
No. 21.....	dis 33 1/2 %
No. 22.....	dis 33 1/2 %
No. 23.....	dis 33 1/2 %
No. 30.....	dis 33 1/2 %
Porter's Corners.....	dis 33 1/2 %
No. 1. Corners and Sticks complete for a three-foot window, 1/2 doz sets.....	dis 45 %
No. 1. Set for Window, 1/2 doz sets, Bronze.....	dis 45 %
No. 1 1/2 " " 1/2 doz sets, Bronze.....	dis 45 %
No. 4 " " 1/2 doz sets, Bronze.....	dis 45 %
No. 1/2 " " 1/2 doz sets, Bronze.....	dis 45 %
No. 4 1/2 " " 1/2 doz sets, Bronze.....	dis 45 %
No. 2 1/2 " " 1/2 doz sets, Bronze.....	dis 45 %
No. 3 " " 1/2 doz sets, Bronze.....	dis 45 %
No. 3 " " 1/2 doz sets, Nickel.....	dis 45 %
SHEARS AND SCISSORS.	
American (Cast) Iron.....	dis 70 & 10 %
Pruning.....	dis 70 & 10 %
Barnard's Lamp Trimmers.....	dis 40 %
Tinners.....	dis 15 %
Massachusetts.....	dis 80 & 10 %
Seymour's.....	dis 60 & 10 %
Jersey Shears.....	dis 80 %
J. Wiss & Son, Nickel, 50 & 10 %; Japanned, 60 & 10 %	
SHOVELS.	
Sliding Door, M. W. & Co., List.....	dis 45 & 10 %
Sliding Door, R. & E. list.....	dis 60 & 10 %
Sliding Door, Patent Roller.....	dis 60 & 10 %
Sliding Door, Pt. Roller, Hatfield's.....	dis 60 & 10 %
Sliding Door, Russell's Anti-Friction.....	dis 60 & 10 %
SHOVELS AND SPADES.	
Ames, New List, July 1, 1882.....	dis 15 %
Griffiths.....	dis 50 & 10 %
Remington's (Lowman's Patent).....	dis 30 %
Rowland's.....	dis 60 %
Kimball's.....	dis 35 %
Lippincott, new list.....	dis 20 %
Hussy, Bins & Co.....	dis 15 %
SPOKE TRIMMERS.	
Bonney's.....	dis 10, dis 40 & 10 %
Stearns.....	dis 10, dis 40 & 10 %
Ives.....	dis 10, dis 40 & 10 %
Douglas.....	dis 10, dis 40 & 10 %
SILVER PLATED WARE.	
Wm. Rogers Manf. Co.....	dis 50, 55 & 10 %
Holmes, Booth & Hayden.....	dis 40 & 10 %
Brown Bros.....	dis 40 & 10 %
Wallace's Steel Silver Plated.....	dis 33 1/2 & 10 %
Rogers Bros 1847.....	dis 50 %
C. Rogers & Bro.....	dis 40, 10 & 10 %

SILVER PLATED HOLLOW WARE.	
Wm. Rogers Manf. Co.....	dis 40, 15 & 10 %
Meriden Britannia Co.....	dis 33 1/2 %
SPOONS.	
Britannia.....	dis 60 & 10 %
Tinned, Iron, Table and Tea.....	dis 65 %
Tinned Iron Basting.....	dis 65 %
German Silver.....	dis 40 %
STONPS.	
Hindustan No. 1, 5c; Axe, 8c.....	dis 33 1/2 & 10 %
Sand Stone.....	dis 33 1/2 & 10 %
Washita Stone.....	dis 33 1/2 & 10 %
Washita Stone, Slips.....	dis 33 1/2 & 10 %
Arkansas.....	dis 33 1/2 & 10 %
SQUARES.	
Steel.....	dis 50 %; full cases, dis 50 & 10 %
Iron.....	dis 50 %; full cases, dis 50 & 10 %
Nickel Plated.....	dis 50 & 10 %
Try Square and T Bevels.....	dis 50 & 10 %
Disston's Try Square and T Bevels.....	dis 40 %
TACKS, BRASS.	
American Iron Carpet Tacks, all kinds.....	dis 65 %
Steel Carpet Tacks, all kinds.....	dis 60 %
Swedes Iron Carpet Tacks, all kinds.....	dis 60 %
Swedes Iron Upholsterers' Tacks.....	dis 60 %
Tinned Swedes Iron Tacks.....	dis 60 %
Tinned Swedes Iron Upholsterers' Tacks.....	dis 60 %
American Iron Cut Tacks.....	dis 60 %
Gimp and Lace Tacks.....	dis 60 %
Tinned Gimp and Lace Tacks.....	dis 60 %
Copper Tacks.....	dis 55 %
Copper Finishing and Trunk Nails.....	dis 55 %
Cigar Box Nails.....	dis 50 %
Finishing Nails.....	dis 50 %
Zinc Glaziers' Points.....	dis 50 %
Common and Patent Brad's.....	dis 50 %
Hungarian Nails and Miners' Tacks.....	dis 45 %
Trunk and Clout Nails.....	dis 40 %
Tinned Trunk and Clout Nails.....	dis 40 %
Basket Nails.....	dis 40 %
Chair Nails.....	dis 40 %
Tinned Capped Trunk Nails.....	dis 30 %
Looking-glass Tacks.....	dis 30 %
Picture Frame Points.....	dis 30 %
Leathered Carpet Tacks.....	dis 30 %
Brush Tacks.....	dis 30 %
TAP BORERS.	
Common and Ring.....	dis 20 %
Ives' Tap Borers.....	dis 15 & 10 %
Enterprise Mfg. Co.....	dis 25 %
TOBACCO CUTTERS.	
Enterprise Mfg. Co (Champion).....	dis 25 %
Wood Bottom.....	dis 12.00, dis 40 & 10 %
All Iron.....	dis 10, dis 40 & 10 %
Wilson's.....	dis 35 %
THERMOMETERS.	
Tin Case.....	dis 75 & 10 %
Storm Glasses.....	dis 3.25 per doz.
TOW CALKS.	
Winsted.....	dis 10 cts. dis 5 %
TRAPS.	
Game, Newhouse.....	dis 35 %
Game, Oneida Pattern.....	dis 60 & 10 %
Game, Blake's Patent.....	dis 40 & 10 %
Mouse, Wood, Choker.....	dis 10 %
Mouse, Round Wire.....	dis 10 %
Mouse, Wire.....	dis 10 %
Mouse, Catch-em-alive.....	dis 10 %
Cyclon Mouse.....	dis 75 cts.
Ideal Mouse.....	dis 10 %
Rat, "Decoy".....	dis 10 %
Delusion Mouse, per doz.....	dis 10 %
TROWELS.	
Lothrop's Brick and Plastering.....	dis 25 %
Reed's Brick and Plastering.....	dis 15 %
Disston's Brick and Plastering.....	dis 20 %
Clement & Maynard's.....	dis 20 %
Worrall's Brick.....	dis 20 %
Brad's & Walby's.....	dis 20 %
Garden.....	dis 55 %
TRUCKS (WAREHOUSE, AC.)	
Handy Truck.....	dis 50 net
Penfield Block Co., list, 1882.....	dis 35 %
Peerless, with Cogs, No. 3.....	dis 54.00
Peerless, with Cogs, No. 4.....	dis 60.00
Eureka, No. 2.....	dis 40.00
VISES.	
Cheney's Combined Vise and Anvil.....	dis 25 %
Solid Box—Wilson's.....	dis 50 %
Trenton.....	dis 45 %
Iron City Tool Works.....	dis 50 %
Bench—Wilson's.....	dis 45 %
Trenton.....	dis 25 %
Parker's.....	dis 20 %
Prentiss.....	dis 25 %
Bonney's.....	dis 35 %
Well Wheels.....	dis 60 & 10 %
WIRE.	
Brass and Copper, list of Jan. 17, 1882.....	dis 15 %
Bright and Annealed.....	dis 15 %
Bright and Annealed.....	dis 15 %
Bright and Annealed.....	dis 15 %
Coppered.....	dis 15 %
Galvanized, Nos. 0 to 18.....	dis 40 %
Tinned, 0 to 18.....	dis 60 %
Tinned Broom Wire, Nos. 18 to 25.....	dis 60 %
Annealed Fence, Nos. 8 to 19.....	dis 55 %
Annealed Grape, Nos. 10 to 14.....	dis 50 &



## Business Chances.

**For the purpose of making the MANUFACTURERS' RECORD a still more valuable medium of communication between its readers North and South, we will publish, FREE OF CHARGE, short advertisements, not exceeding 40 words, from those in the South who have mills, factories, manufacturing sites or water-power for sale, capital wanted for industrial enterprises, &c., &c.; while readers in other sections who desire to engage in manufactures at the South are also invited to use these columns, without cost, either in seeking information regarding the advantages and special claims of different localities, or for asking about good openings for men and money. This department is also free for Southern manufacturers who wish to advertise for mill managers, superintendents, engineers, &c.**

**In corresponding with any of these advertisers please mention the Baltimore Manufacturers' Record.**

**WANTED**—By a lad, an opportunity in the South to learn the machinist's trade. Address Trade, care MANUFACTURERS' RECORD.

**A GOOD OPPORTUNITY** for a practical Foundryman is offered by the Farmville Manufacturing Co.—to take an interest or rent and conduct the business, either jointly or separately. Brick buildings; foundry floor space 24x60 feet; 4,000-lb. cupola; Sturtevant fan; steam power; machine shop, second floor, with lathes, drill press, small planer, full complement of small tools; wood-working shop 20x40 feet, two stories; store-rooms and large yard space. A good trade in plows, castings, agricultural machinery and machinery repairs, or any specialty, may be built up. Capital from \$5,000 to \$10,000 may be profitably employed. Correspondence solicited. Farmville Manufacturing Co., Farmville, Va.

**WANTED**—A Partner to put in one-half of \$1,000 and go into the manufacture of common and front pressed brick in any growing Southern town. Address W. G. M., care MANUFACTURERS' RECORD.

**WANTED**—A party with \$3,000 to \$5,000 capital and a knowledge of manufacturing agricultural implements; business already established; one of the best locations; a good chance for a safe and profitable investment; the machines are covered by five patents, and well tested by 3 years actual use, and an increasing demand. Investigation solicited. For particulars, address A. C. Hendricks, Shenandoah Junction, W. Va.

**SITUATION WANTED**—A young man having some education and experience in mechanical engineering, desires location South. Resigned position North to recover health impaired by severe Northern winters. Prefers subordinate position, as assistant to foreman or superintendent, with prospect of advancing. Address Engineer, care MANUFACTURERS' RECORD.

**LOCATION WANTED**—An enterprising practical man, with a small capital, desires to establish a newspaper in a growing town in Tennessee, Georgia or North Carolina. Address A. M. McKinley, Tell City, Indiana.

**WANTED**—By young man, situation as assistant draughtsman with machine shop, mechanical engineer, mechanical draughtsman, or patent solicitor. Graduate of scientific school. Machine shop and engineering experience. Address A. W. Chase, No. 76 Washington street, Providence, R. I.

**NEWSPAPER FOR SALE**—A weekly newspaper with complete outfit, as good as new, in one of the most prosperous towns in the South. For particulars, address Newspaper, care MANUFACTURERS' RECORD.

**A MANUFACTORY**, with established business, desires to increase the capital stock. Money wanted to extend the business. This is a good chance and will bear investigation. Would like a competent man for office or works. For particulars address Lock Box 102, Chattanooga, Tenn.

**WANTED**—A party with \$1,200 or \$1,500 to take an interest in and become resident manager of a lumber business in North Carolina. Company incorporated. Salary paid to the right party. Address E. K., Leechville, N. C.

**WANTED**—Another member for a company that intends starting a lucrative business in Washington county, Tennessee. For particulars address Jno. Wightman, Williamsport, Pa.

**WANTED** by a machinist with an established business, a partner with \$3,000 to \$5,000 capital, to start a machine shop and to handle machinery. One of the best locations in the United States. Ample business already promised; room for almost unlimited development. Location, a vigorous and progressive Southern town; perfectly healthful. Investigations solicited. Address Machinist, care MANUFACTURERS' RECORD.

**TALC**—A gentleman who has a fine deposit of talc on his farm in South Carolina, near railroad, would like to sell mineral rights in the land cheap. Gold is found in small quantities, and grindstones in abundance. Address Box 160, Greenville, S. C.

**TURNER WITH LATHE WANTED**—Will furnish Hickory, Dogwood, Persimmon and Walnut waste, suitable for Handles, etc., with power, house, and garden plot for part of product. Address M. F. J., care MANUFACTURERS' RECORD.

**WANTED**—A partner in a steam saw mill; well timbered with best yellow pine. This mill is located on the Memphis & Charleston Railroad, one hundred and nine miles from Memphis, Tenn. Address G. N. Harvey, Burnsville, Miss.

**WANTED**—A situation as superintendent or foreman in a hub, spoke or axle handle factory. Have had 12 years experience. Good references. P. O. Box 213, Columbus, Miss.

**FOR SALE**—A very fine water power and an iron bloomery; convenient to W. & A. R. R., 45 miles north of Atlanta, Ga. Also have on hand 12,000 bushels of charcoal; all necessary machinery for making wrought scrap, pig iron and ore blooms; machinery all in running order; never failing water power; good healthy mountainous country; very best freestone water; fine mill site. Will sell all very cheap for cash. Address W. W. Wheeler, Siegal's Station, Ga.

**INVENTION**—An article when manufactured will meet with success in the South. Want money to put it through. Address for plans, etc., Box E. E., Kissimmee City, Fla.

**INVENTIONS**—Peach and apple pacer combined—simple; tricycle; steamboat propeller; snow scraper; ellipsograph; roofing seamer, &c. Will sell any or all, or place out on royalty. Box 99, Perry, Ga.

**HAVING** the requisite practical and some business experience, and an acquaintance that would be useful, I would like to engage with some cotton mill to take charge. Address A. E., care of MANUFACTURERS' RECORD.

**AN ENGINEER** and draughtsman wants position where his experience in managing men, designing and constructing machinery of various kinds can be given a trial, in a machine shop, mill or gas works. Address Engineer, 547 Lafayette avenue, Brooklyn, N. Y.

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**WANTED**—A practical bucket maker. To the tight sort of a man who has had experience in working cedar and white pine, and can run a shop successfully, a good inducement will be offered. Barker Manufacturing Company, Knoxville, Tenn.

**TO MACHINERY MANUFACTURERS**—A valuable invention on railway water-supply can be had by addressing W. W. E., Kissimmee City, Fla.

**WANTED**—A manager for a canning factory to be started in the South. A good opportunity for a first-class man. Address O. S., care MANUFACTURERS' RECORD.

**WANTED**—Situation by an experienced undertaker. Best of reference as to ability and character. Address "Undertaker," care Warfield & Rohan, 62 Sharp street, Baltimore, Md.

**WANTED**—Situation by a first-class wood-turner. Address E. Knapp, care Windsor Hotel, Baltimore, Md.

**\$1,500 WILL BUY A WEEKLY NEWSPAPER**; 7 column folio; complete outfit and a good job office; only paper in place; well patronized and paying; reason, other business. Address E. D. Steele, High Point, N. C.

**WANTED**—By an energetic, live young man a partner with \$10,000 to \$20,000, to engage in the tobacco business in Piedmont, North Carolina. Best of reference given, showing him qualified to handle business. Address Tobacco, care MANUFACTURERS' RECORD.

**WOULD sell or exchange** 500 acres in "The Land of the Sky" with pure and chalybeate waters; water power; 75 acres cleared; healthy locality. W. S. Neely, Highlands, N. C.

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A Portable 20 Horse-Power Engine and Saw Mill, with large lot of timber, if desired, within 6 miles of Farmville, and 3 from railroad. Also one 8 Horse-Power Portable Engine, on skids, Horizontal Boiler, Talbot's make. It is now mounted on truck and used for threshing wheat. Address

FARMVILLE MANUFACTURING CO.,  
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8 30-inch Roller Bating Cards, with Lapper, Press and Grinder. All complete and in good order. Address

COLLINS ARNOLD,

Machinery Agent, 415 River Street,  
TROY, N. Y.

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A Cotton Seed Oil Mill situated in the heart of the cotton region of Texas. The machinery is comparatively new and is in first-class condition. Railroad side track runs to the doors. Any one desiring to invest in this class of property should address—

Jas. H. Simpson Bank, Columbus, Texas.



Trade: Send for cuts:  
Gratis.  
Send for circulars: Gratis.  
Send to cents for Book of Rules.

THE LIGOWSKY  
Clay Pigeon Co.  
Box 1,292,  
Cincinnati, Ohio.

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FORTRESS MONROE, NORFOLK and the SOUTH.

The Bay Line comprises the New and Elegant Steamers  
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All the Comforts and Luxuries of a First-Class Hotel are afforded the Traveler. Spacious and Elegant Saloons and State-rooms, furnished with an especial view to comfort. Unsurpassed Cuisine, which is made a specialty with this line. Elegant service and courteous attention. Steamers leave Baltimore daily except Sundays at 9 P. M.

At Old Point Comfort is located the SPLENDID HYGEIA HOTEL, a Delightful Resort at all Seasons of the Year. For Tickets and Information, apply at Company's office,

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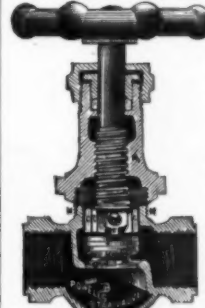
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This business, operating in the markets North and abroad, furnishes Southern sellers with reliable means of offering real estate for the investment of capitalists at a distance by a system that refuses to actively handle property that will not submit to examination and report by experts of this office at the cost of sellers, a requirement that, securing the best class only of offerings, enables capitalists to consult, without expense and with surety, complete and guaranteed records in whatever lines of investment may have their interest. Expert examiners at various points in the Southern States. Circulars of business system on application. Correspondence invited.

Many Steam Fitters and Machinists are of the opinion that the

## POWELL PATENT REGRINDING "STAR"

And Crescent Globe Valves



are the very best in use. The Star Valves are also made extra heavy for Steam Boat use. Every Valve warranted for one year if handled and used with ordinary care.

POWELL'S PATENT

SIGHT-FEED

LUBRICATORS

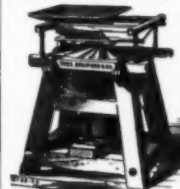
and Glass Engine Cups

insure a great saving in oil. Specifications should call for

THE

Powell Star Valves.

WM. POWELL & CO., Manufacturers,  
50, 52 and 54 Plum Street, Cincinnati, Ohio.  
Sold by all the dealers in Steam Fitters' Supplies throughout the Southern States.



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The Thomas Bradford Co.,

Successors to

THOMAS BRADFORD & CO.

Manufacturers of the celebrated

Bradford's Portable Under

Runner Mills, for corn, wheat

and middlings. First premium

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THE THOMAS BRADFORD CO., 174

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**SOUTHERN LUMBERMAN.**  
Nashville, Tenn.

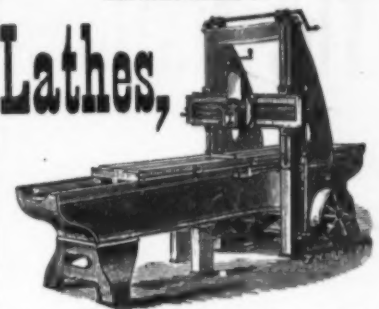
The oldest paper of the kind published in the South. It furnishes the latest news and correct lumber quotations of all the principal markets. The list of freight rates is a feature never before attempted by any other journal. Sample copies sent free and advertising rates furnished on application. Terms, \$2.00 per year; \$1.00 for six months. Address,

**NASHVILLE, TENN.**  
A 40-Page Semi-Monthly Journal Devoted to the  
Saw Mill, Lumber & Wood-Working Interests.

## A Fine Investment.

One thousand (1,000) acres finely located orange land in South Florida offered for sale for ten thousand (\$10,000) dollars. Lands of same quality, adjoining, are held at twenty-five (25) dollars per acre. Railroad already ironed, and expected to be in full running order under the best management in the State by October, passes close by these lands, intersecting them at one corner. By holding them a few years, much money can be realized from their sale, as property is rapidly appreciating. Will sell all or an undivided half interest in same. This investment will pay twenty-five per cent. per annum, and by proper management, will yield even more. Address Florida, care MANUFACTURERS' RECORD.

Established 1867.  
**E. HARRINGTON, SON & CO.**  
MANUFACTURERS OF



Iron Planers, Boring Mills, Radial, Upright, Suspension Multiple, Level, Carriage Makers, Blacksmiths' Hand and Powers Post Drills, and a variety of other Machinists' Tools. PATENT DOUBLE CHAIN SCREW PULLEY BLOCKS, unrivalled for durability, safety and power. PATENT DOUBLE CHAIN QUICK-LIFT HOISTS, with brake for quick and easy lowering. Circulars furnished.

Works and Office, North 15th St. and Penn Avenue,  
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**Bates' Hand Elevators.**  
Patented April 14, 1871. Reissued July 28, 1878.  
OVER 6,000 IN USE.

Adapted for Warehouses, Stores, Factories, Hotels. Public Institutions, and every place where merchandise, &c., is transferred from one story to another.

**JAMES BATES, Patentee,**  
Nos. 1 3 & 5 President Street, BALTIMORE.

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HAS NOW BEEN

Under its present successful management for the past seven years,

And during that time its business has more than trebled, while its facilities have proportionately increased.

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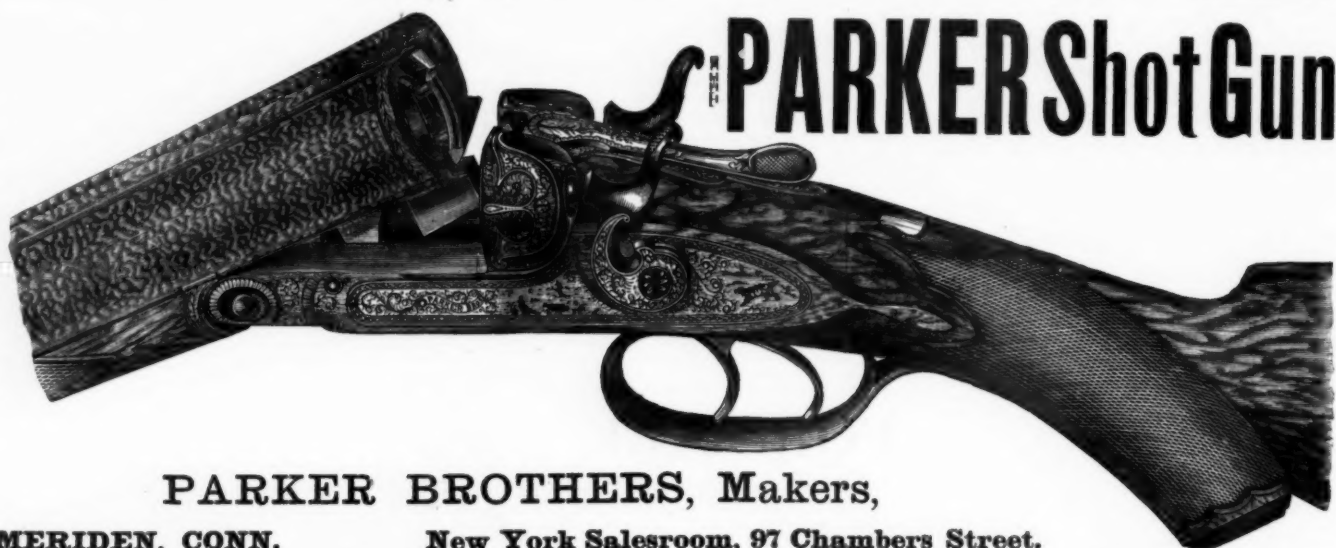
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### List of Patents

The following Patents were granted to citizens of the Southern States, bearing date Aug. 11, 1885. Reported expressly for this paper by Louis Bagger & Co., Mechanical Experts and Solicitors of Patents, Washington, D. C.

Alexander, J. M., Clarksburg, W. Va. Cultivator and seed-dropper or planter combined.	324,208
Ault, Samuel, Baltimore, Md. Book-binder's pallet.	324,289
Bernard, W. A., Danville, Va. Combined nail and ear cleaner.	324,001
Bond, J. T., Bond's Mills, Ga. Cultivator.	324,215
Bullock, R. H., Savannah, Ga. Mechanical board-measure calculator.	324,078
Cady, H. G., Pine Bluff, Ark. Wedge for vehicle-wheels.	323,910
Emerson, A. S., Charleston, S. C. Car-ventilator.	324,099
Evers, W. A., Edgewood, Ga. Fire escape.	323,924
Garret, Henry, Dallas, Texas. Electrical alarm for window-screens.	324,019
Goodson, W. D., Eufala, Ala. Wrench.	324,104
Harulbrook, W. C., Homer, Ga. Reversible plow.	324,109
Hendricks, A. C., Shenandoah Junction, W. Va. Grain-drill.	324,110
Himel, T. P., Labadieville, La. Cane-scraper.	321,758
Hutcherson, Peter & J. W., Sandy Ridge, N. C. Fruit-gatherer.	324,326
Idol, B. V., Idol's Mills, N. C. Turbine water-wheel.	324,113
Johnson, A. G., Quitman, Ga. Fifth-wheel for vehicles.	324,116
Kubler, John, Hot Springs, Ark. Permutation-padlock.	323,941
Luchini, Ferdinand, Natchitoches, La. Marine motive power.	324,266
McCahan, D. L., Baltimore, Md. Chimney-top.	323,945
McMickin, L. S., Cold Springs, Texas. Wire-stretcher.	323,947
Mecham, G. W., Columbia, Texas. Wheel.	324,141
Miller, W. C., Wortham, Texas. Combination-tool.	324,145
Noessel, Sarah J., Corpus Christi, Texas. Combined milk-pan and curd or cheese mold.	324,148
Outram, John, Easton, Md. Attachment for grain drill teeth.	323,953
Painter, Wm., Baltimore, Md. Bottle-stopper.	324,040
Phillips, James, Nashville, Tenn. Hot air fire-place.	324,337
Phillips, Enoch and T. Jones, Pulaski, Va. Preparing the charge for spelter-furnaces.	323,959
Porter, Thomas, Abilene, Texas. Earth-auger.	324,162
Richardson, John, St Mary's, Ga. Combined stern sheet-block traveler, carlock and cleat for boats and other vessels.	324,165
Stuart, J. A., Austin, Texas, and J. F. Woodmansee, Flatonia, Texas. Cuff button and holder.	324,184
Teague, Vandiver, Lenoir, N. C. Flour-bolt reel.	324,187
Vogel, J. B., New Orleans, La. Machine for separating fibres from plants.	324,054
Waring, Wilson, Colona, Md. Ore crushing machine.	324,197
Weller, M. S., Charlestown, W. V. Spoke socket.	323,990
Wilson, H. D. and E. L., Abbeville, S. C. Cotton-planter and guano-distributor.	323,995
Wolfe, H. R., Louisville, Ky. Saw-swing.	323,996
Wolfe, H. R., Louisville, Ky. Feed-Mechanism for saw-mill carriages.	324,059
Wood, T. W., Atlanta, Ga. Stove-back.	324,341

ONE of the most attractive places of resort around Baltimore is Oxford, Md. It is on the Choptank river, which at this point (12 miles from its mouth) is about a mile wide. The town is almost entirely surrounded by salt water; is entirely free from malaria, and is but little troubled by mosquitoes. It is known as a remarkably healthy place. The Riverview Hotel is an attractive, inviting-looking house, with broad verandas looking out upon the river. It is only about 50 yards from the water. The fishing is excellent, and the facilities for boating could not be better; the bathing also is good. The hotel has recently changed hands, and is now under the management of Mr. Rowland Hill. It is conducted in first-class style; the fare is good; the rooms pleasant, and the comfort of the guests is carefully looked after. The rates are reasonable. The route to Oxford is by the steamers of the Choptank Line, which leave Pier 18, Light street wharf, every evening, reaching Oxford about 6 o'clock the next morning. Their wharf is only 50 yards from the hotel.

MESRS. J. TURNER MOREHEAD & CO., Leaksville, N. C., proprietors of the Leaksville Cotton Mills and the Leaksville Woolen Mills, write us that during the last twelve months the following new enterprises have been established in that town:

	Capital.
Moir & Pratt, tobacco factory.	\$10,000
Martin Tobacco Co., tobacco factory.	10,000
G. W. Bateman, tobacco warehouse.	5,000
Leaksville Hotel.	8,000
Smith & Payne, saw mill.	5,000
Smith & Thomas, saw mill.	5,000
J. L. Hampton, wagon factory.	6,000
Land & Miller, wagon factory.	2,000

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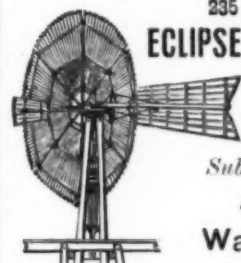
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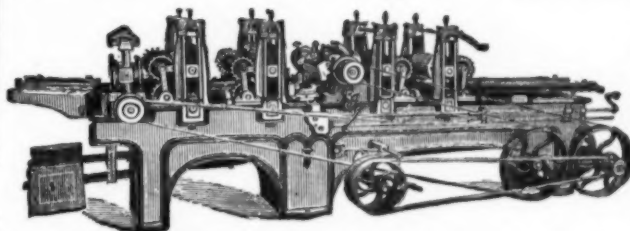
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The chief ingredients causing sedimentary deposits and incrustation are organic matter, carbonate of lime, sulphate of lime, carbonate of magnesia, sulphate or sulphuret of iron, and in salt water common salt.

The WARNER PURIFIER AND HEATER is the only machine which precipitates all impurities held in suspension, heats the water to the boiling point under full boiler pressure, separates and precipitates the mineral salts held in solution before the water reaches the boiler, and then injects the water thus purified into the boiler boiling hot. It is an automatic machine, entirely outside of the boiler, requiring absolutely no attention from the engineer except to blow off the accumulation of deposit from the bottom of the machine which acts as a mud-drum. All this is accomplished without the use of chemicals, by a purely mechanical process, regulated by the principles of natural philosophy.

No more "shutting down" of work to clean boilers—the machine does it all every day without interfering with the work, and by removing scale and preventing its formation, and heating the water to the boiling point saves a large percentage of fuel.

The WARNER HEATER AND PURIFIER COMPANY is now ready to furnish these machines on demand at very reasonable figures.

WASHINGTON, D. C., May 23, 1885.

This is to certify that I have made a careful examination of "Warner's Combined Purifier and Heater of Feed Water" in practical operation at the "Harris House" and "Post Building," in this city, and do not hesitate to pronounce it the best machine for the purpose ever invented. By its use the water goes into the boiler free from all impurities and heated to the boiling point under full boiler pressure, and as the result of the injection of pure water, the boiler is freed from scale and kept clean, while a large saving is made in fuel by the removal of the scale and heating the water to the boiling point before it enters the boiler. By the use of this machine the necessity of "shutting down" in order to blow out and clean the boiler is wholly obviated, as the impurities are all collected in the bottom of the machine, which can be blown out as many times a day as the engineer thinks proper without interfering with the workings of the boiler. I confidently commend this machine to all persons who own or use steam boilers, and am satisfied that its use will prolong the life of the boiler and make a handsome saving in the use of fuel.

(Signed) JOHN H. WILKERSON,

Inspector of Steam Boilers for District of Columbia, 220 7th Street, S. E.

"HARRIS HOUSE," COR. PENNSYLVANIA AVENUE AND E STREET, N. W.

WASHINGTON, D. C., June 23, 1885.

This is to certify that one of "Warner's Purifiers and Heaters of Feed Water" has been in use on one of the boilers of the Harris House, in this city, for three months, and has proved a perfect success. The boiler upon which the machine was placed was at the time covered with a heavy scale composed of animal and vegetable matter, lime, &c., which, by the use of this machine, has been entirely removed, the boiler being now as clean as when it came from the boiler-maker. This has been entirely accomplished, without the use of chemicals, by the injection of pure water through the "Purifier and Heater." This machine injects the water into the boiler heated to the boiling point under full boiler pressure, and by this means, together with the removal of the scale, results in a large saving of fuel. It is also invaluable in the purification of the water for laundry purposes. The machine is self-acting, and prevents the necessity of "shutting down" in order to blow out the boiler, as the impurities are all concentrated in the bottom of the machine, and can be blown out through the machine as often during the day as the engineer may deem advisable without interfering with the working of the boiler. I am convinced that its use will prolong the life of all boilers upon which it may be placed, save a large percentage of fuel, decrease the danger of explosion, purify the water for all purposes, and give general satisfaction. I confidently commend it to all hotels using steam and to owners of steam boilers generally as a much needed improvement that will do the work claimed for it thoroughly.

(Signed) JOHN H. HARRIS, Proprietor of Harris House, Washington, D. C.

WASHINGTON "POST" BUILDING, WASHINGTON, D. C., June 23, 1885.

This is to certify that one of "Warner's Purifiers and Heaters of Feed Water" was placed upon the boiler of the Post Building about 60 days ago as a test. At that time the boiler was covered with a heavy scale of animal and vegetable matter, lime, &c., which it was impossible to prevent. By the use of this Purifier and Heater, which injects the water into the boiler free from all impurities and heated to the boiling point, the scale has been removed and the consumption of coal reduced. The machine works itself and is invaluable as a purifier of water to all branches of business requiring pure water, such as hotels, laundries, &c., and a much needed adjunct to all steam boilers, prolonging their life, decreasing the danger of explosion and effecting a large reduction in the consumption of fuel. I confidently commend Warner's Purifier and Heater to all owners of steam boilers, being confident that their interests will be subserved by its use.

(Signed) J. FRANK MCGUIRE, Superintendent and Engineer Post Building.

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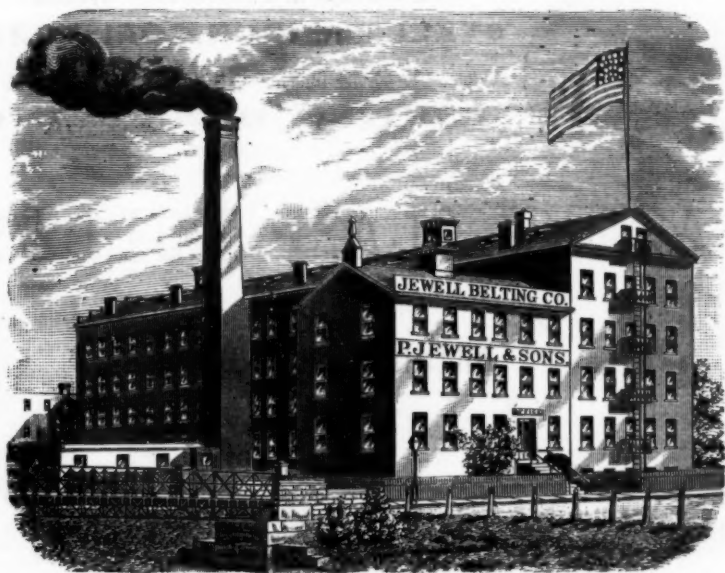
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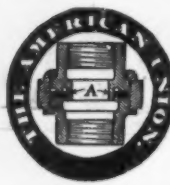
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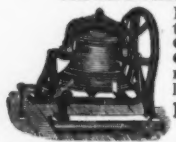
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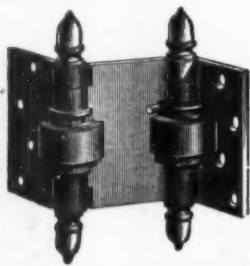
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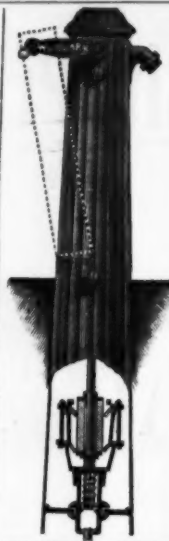
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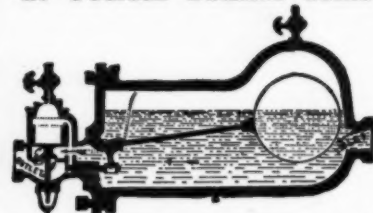
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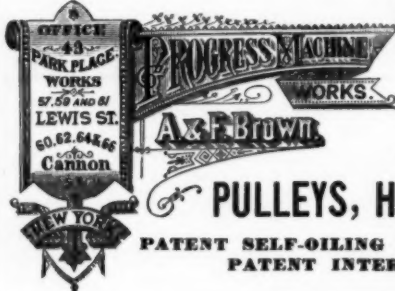
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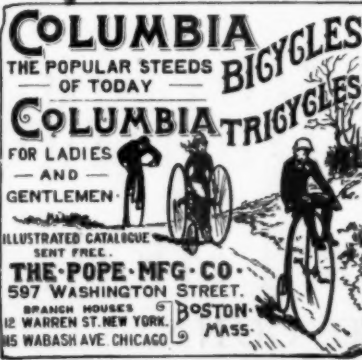
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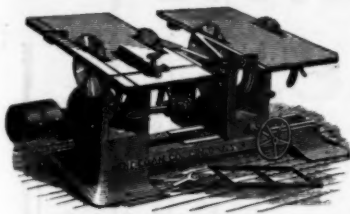
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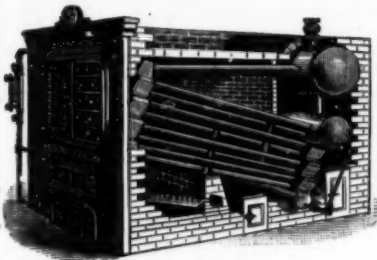
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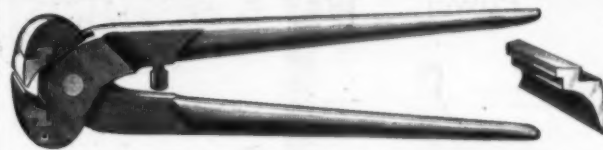
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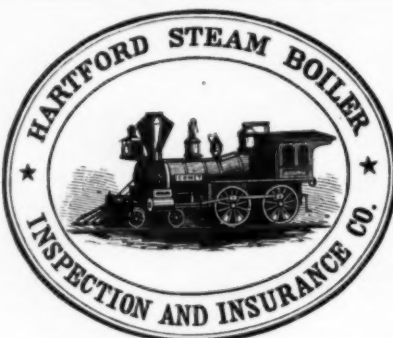
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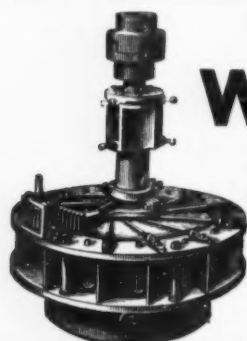
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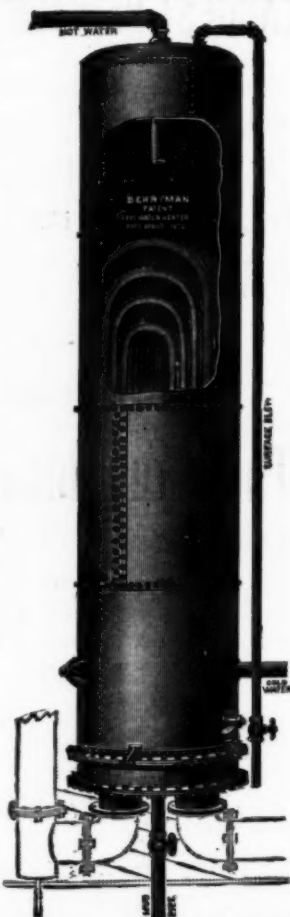
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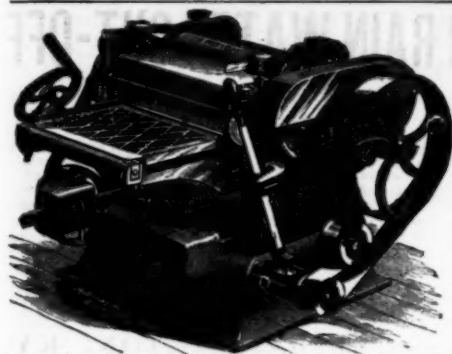
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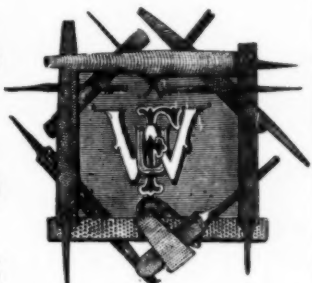
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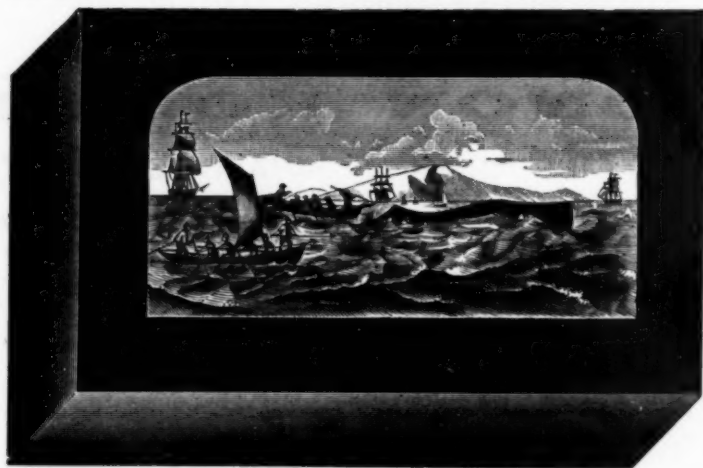
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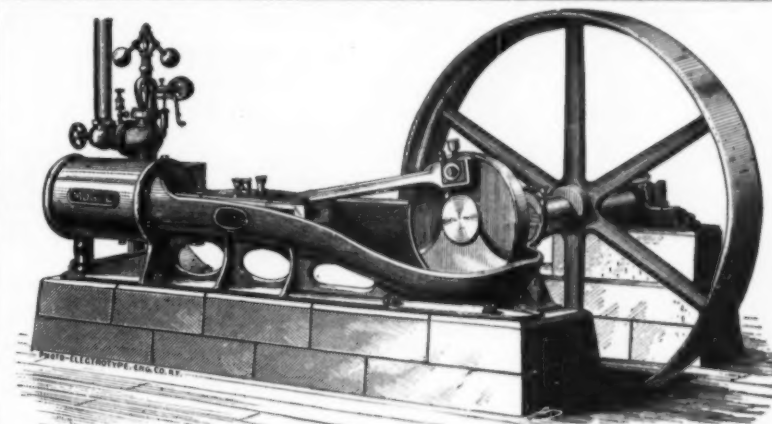
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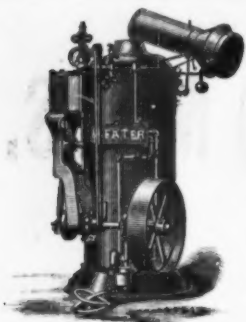
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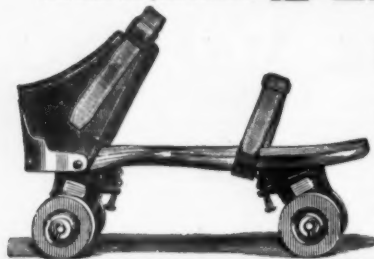
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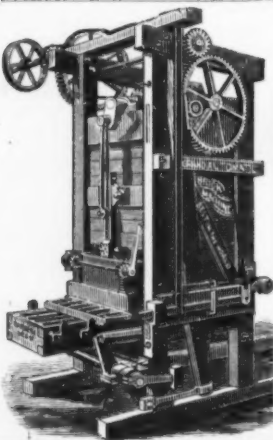


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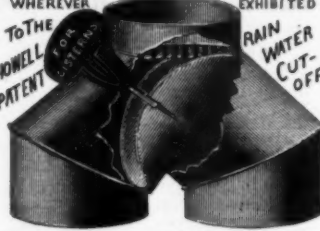
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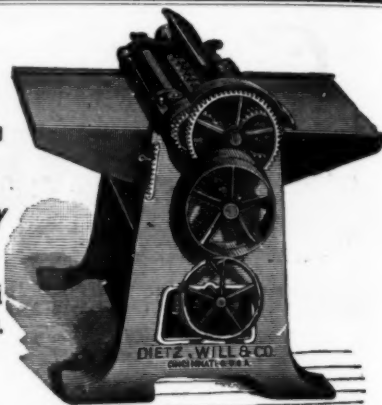
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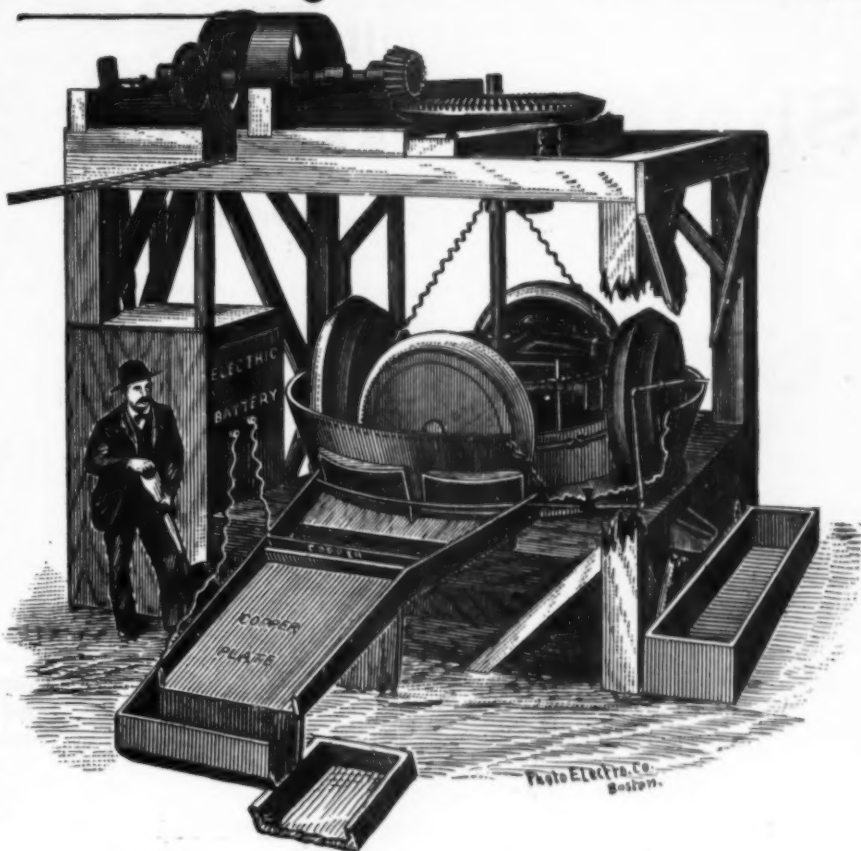
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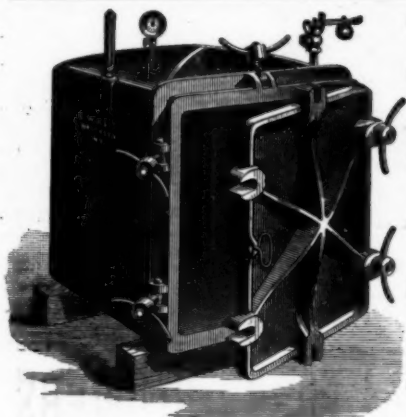
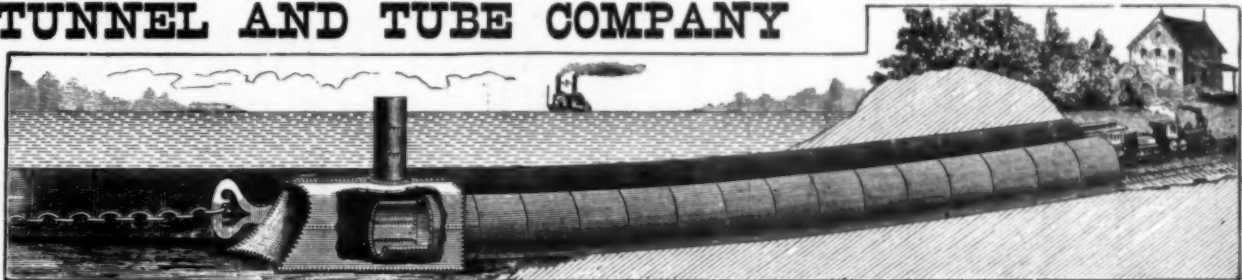
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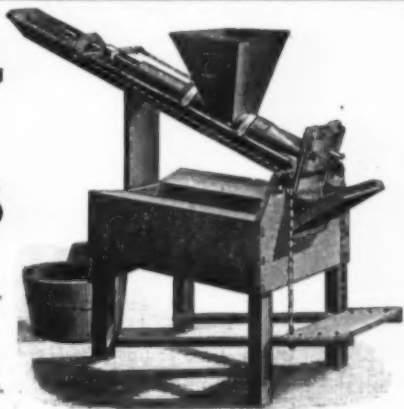
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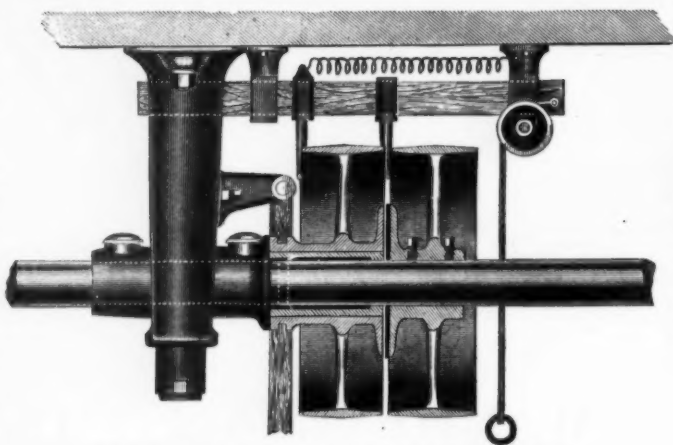
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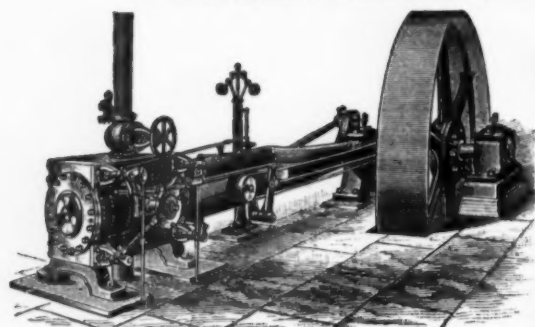


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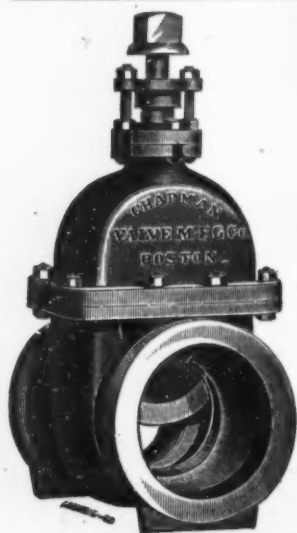
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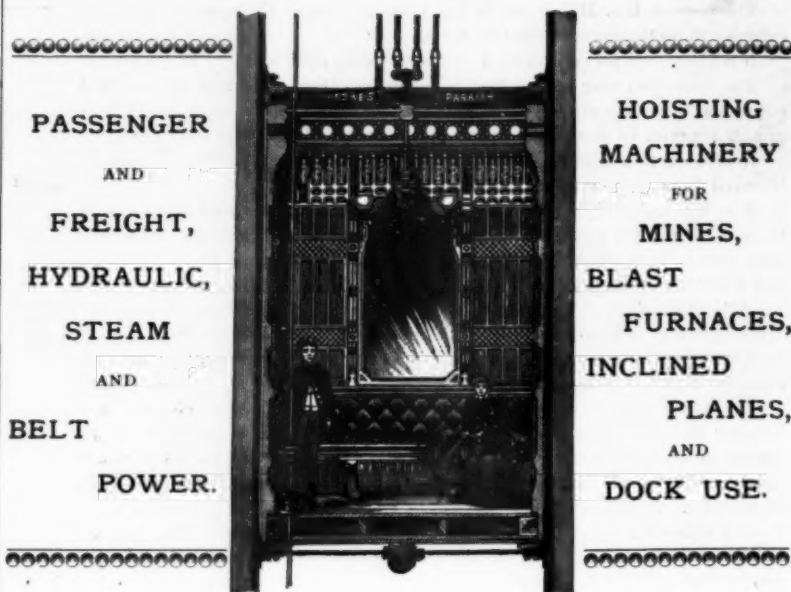
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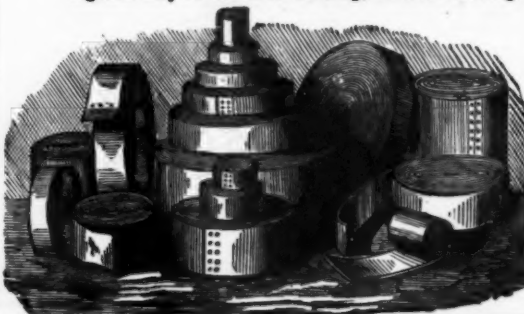
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